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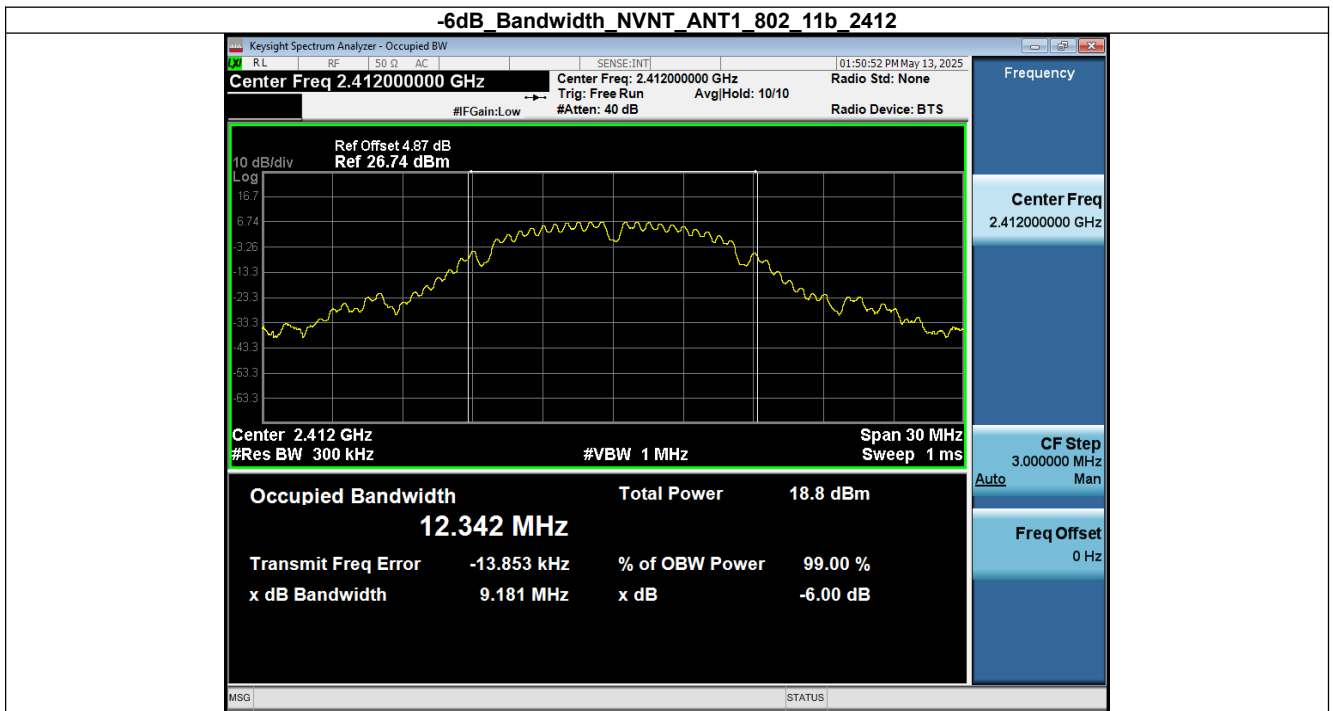
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FCC ID:2BFZL-H3

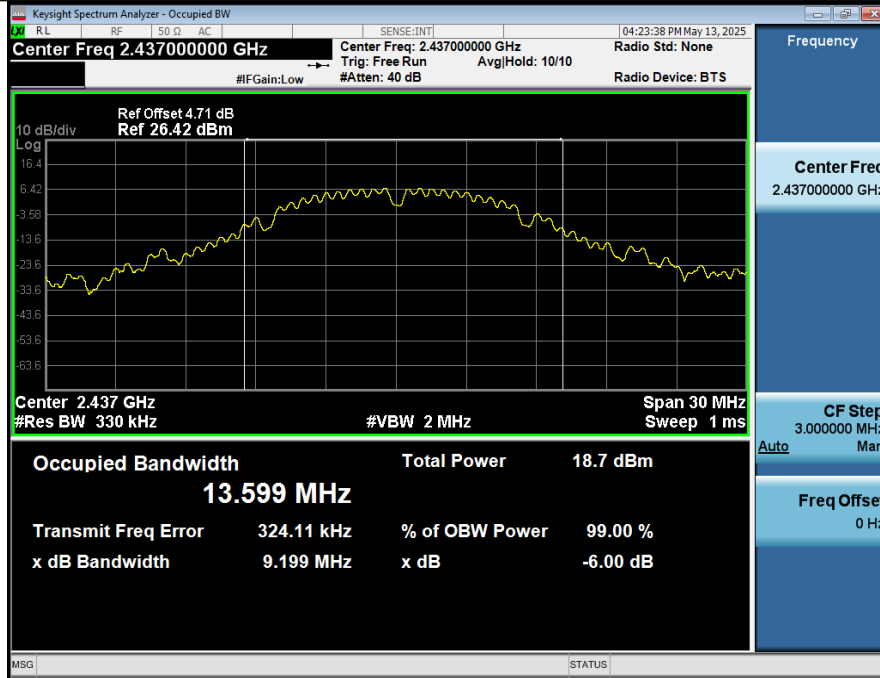
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

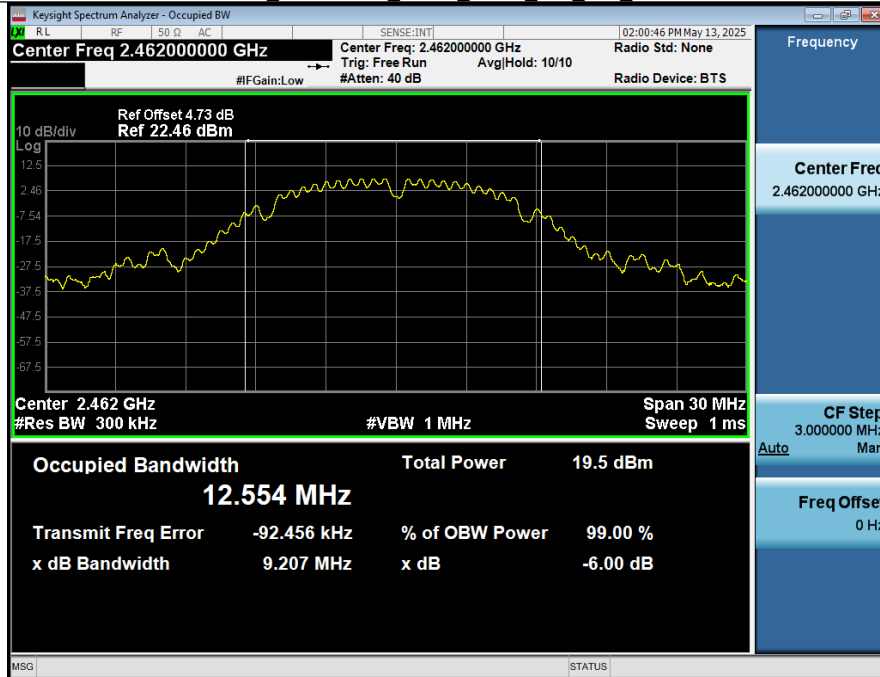
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.18	500	Pass
NVNT	ANT1	802.11b	2437.00	9.20	500	Pass
NVNT	ANT1	802.11b	2462.00	9.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.45	500	Pass
NVNT	ANT1	802.11g	2437.00	16.48	500	Pass
NVNT	ANT1	802.11g	2462.00	16.40	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.32	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.47	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.12	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.08	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.13	500	Pass



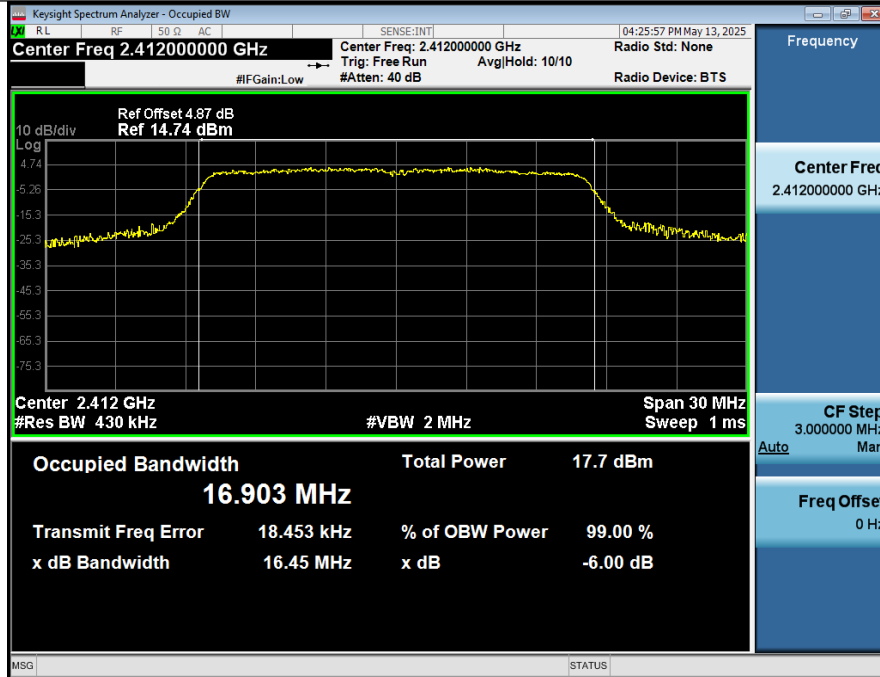
-6dB Bandwidth_NVNT_ANT1_802_11b_2437



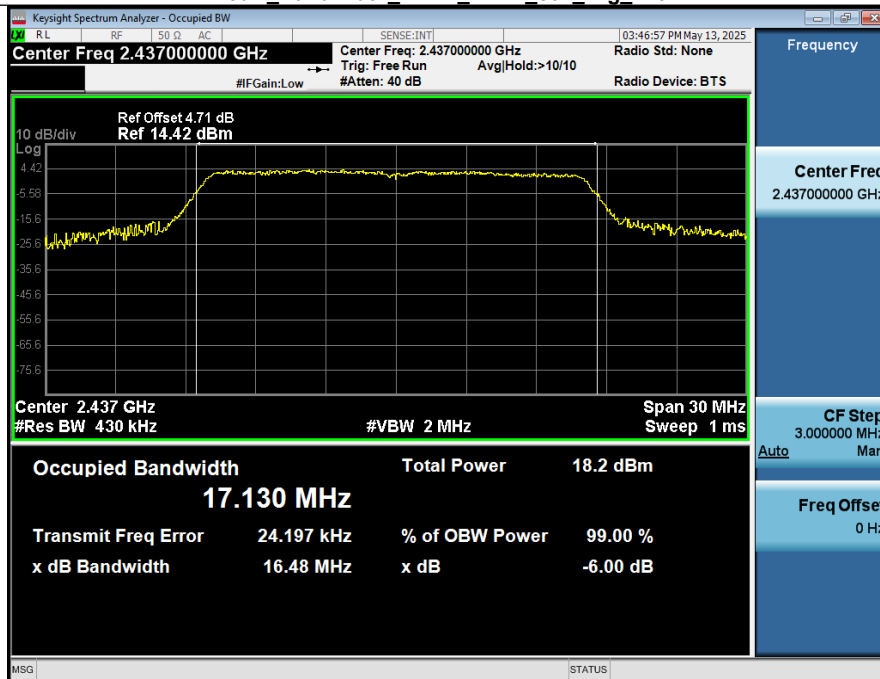
-6dB Bandwidth_NVNT_ANT1_802_11b_2462



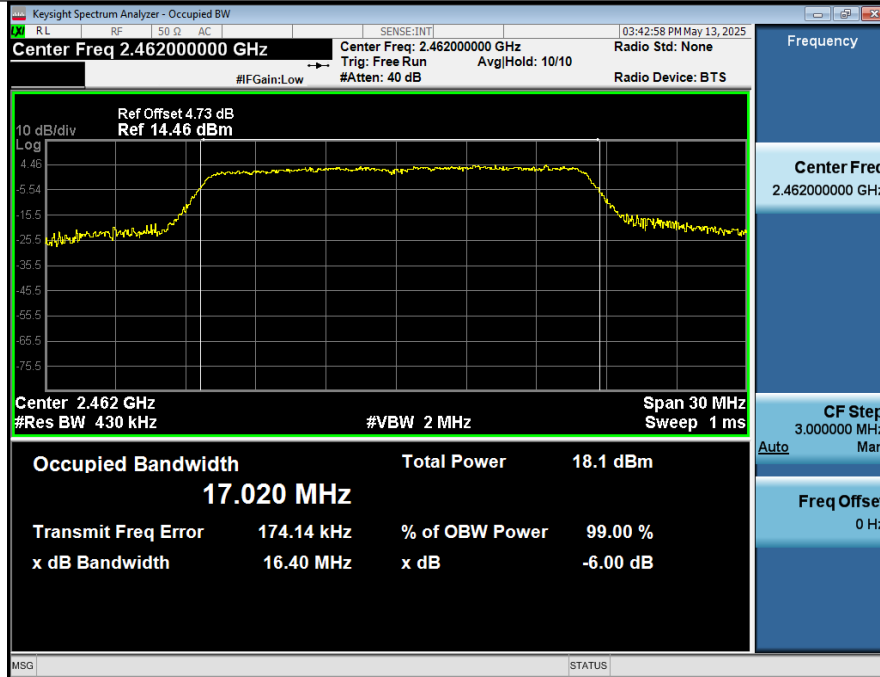
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



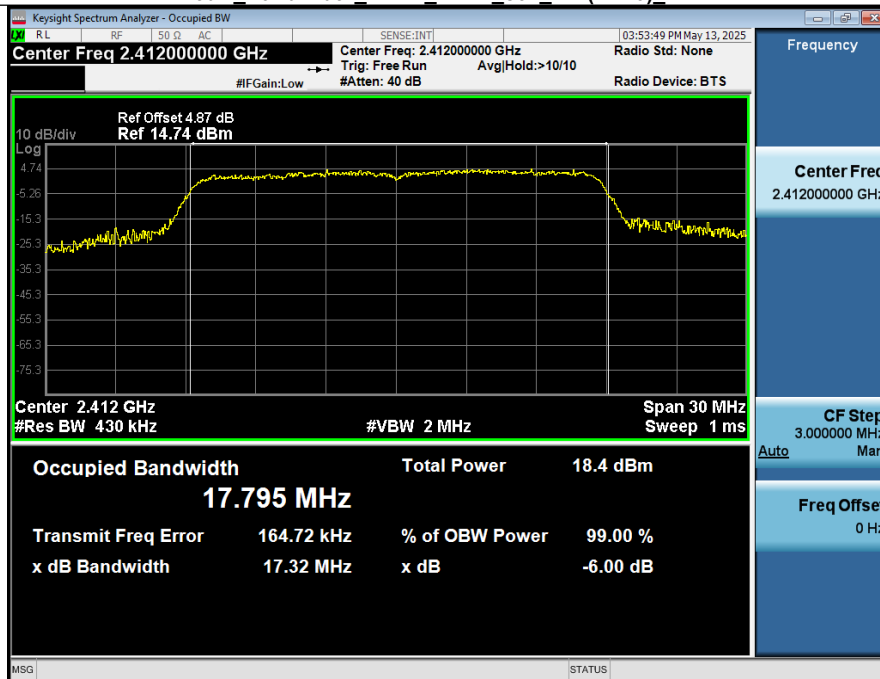
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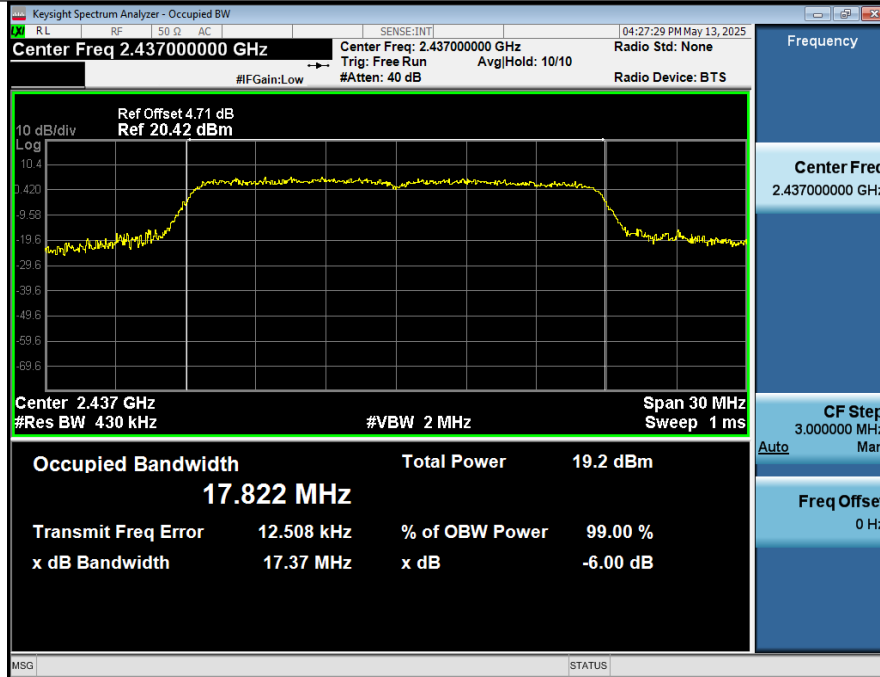
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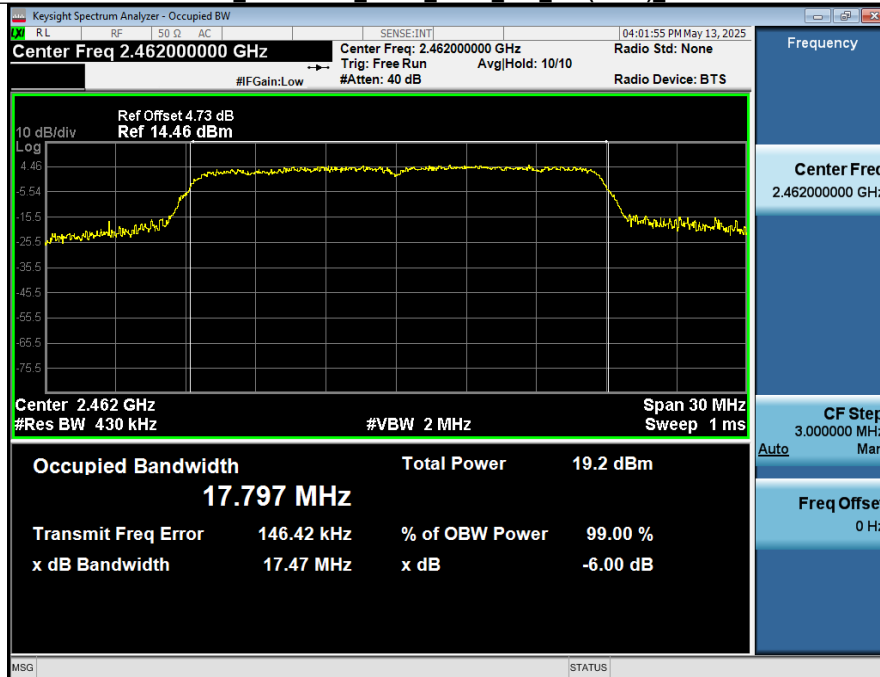
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



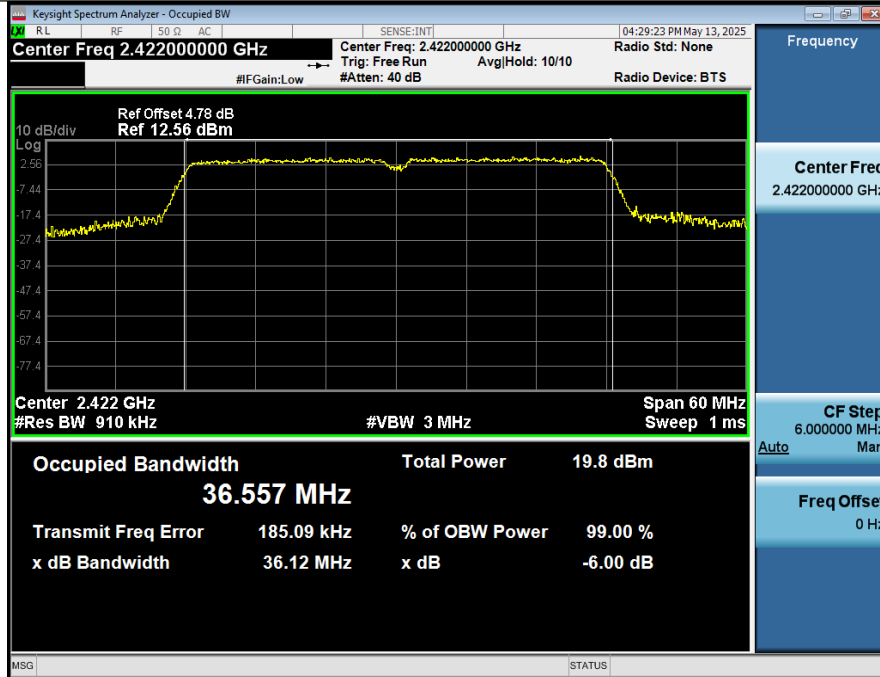
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



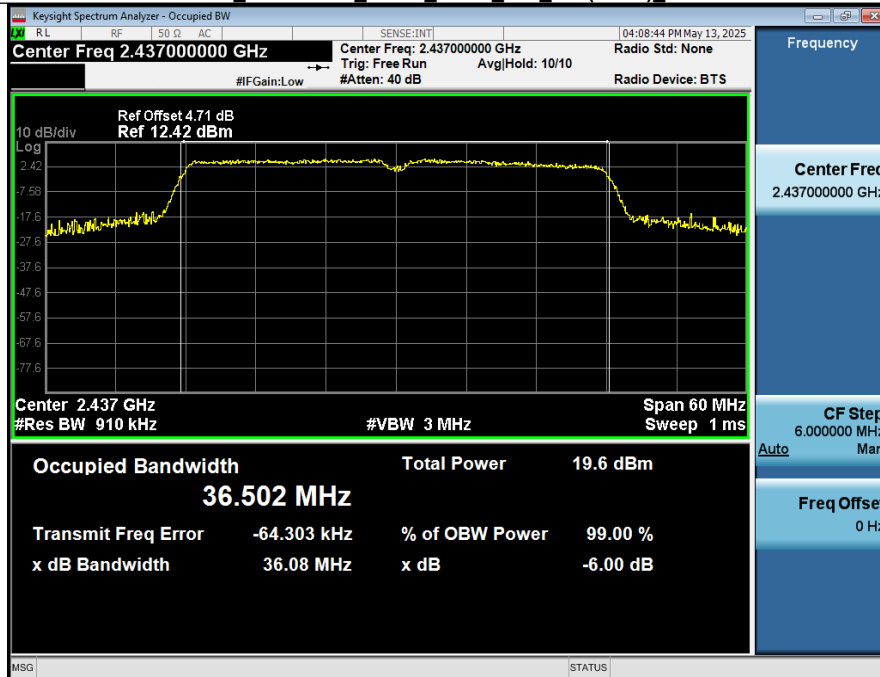
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

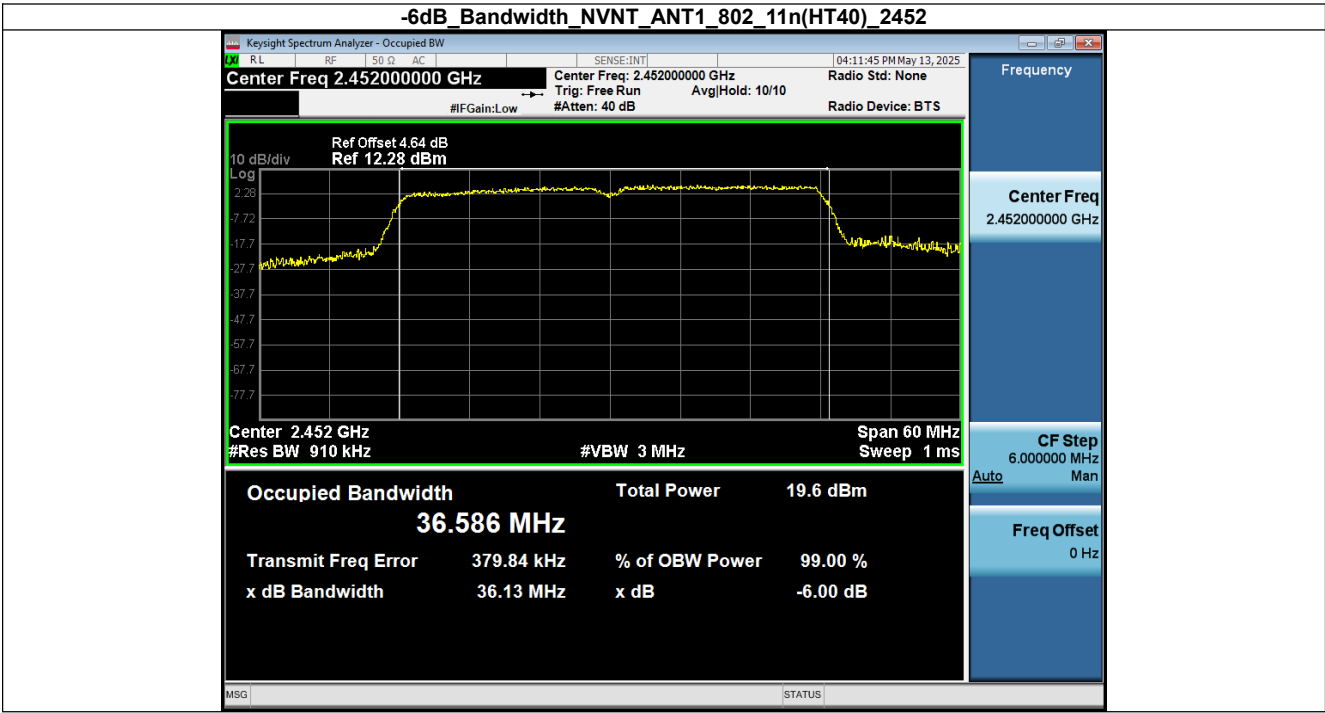


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



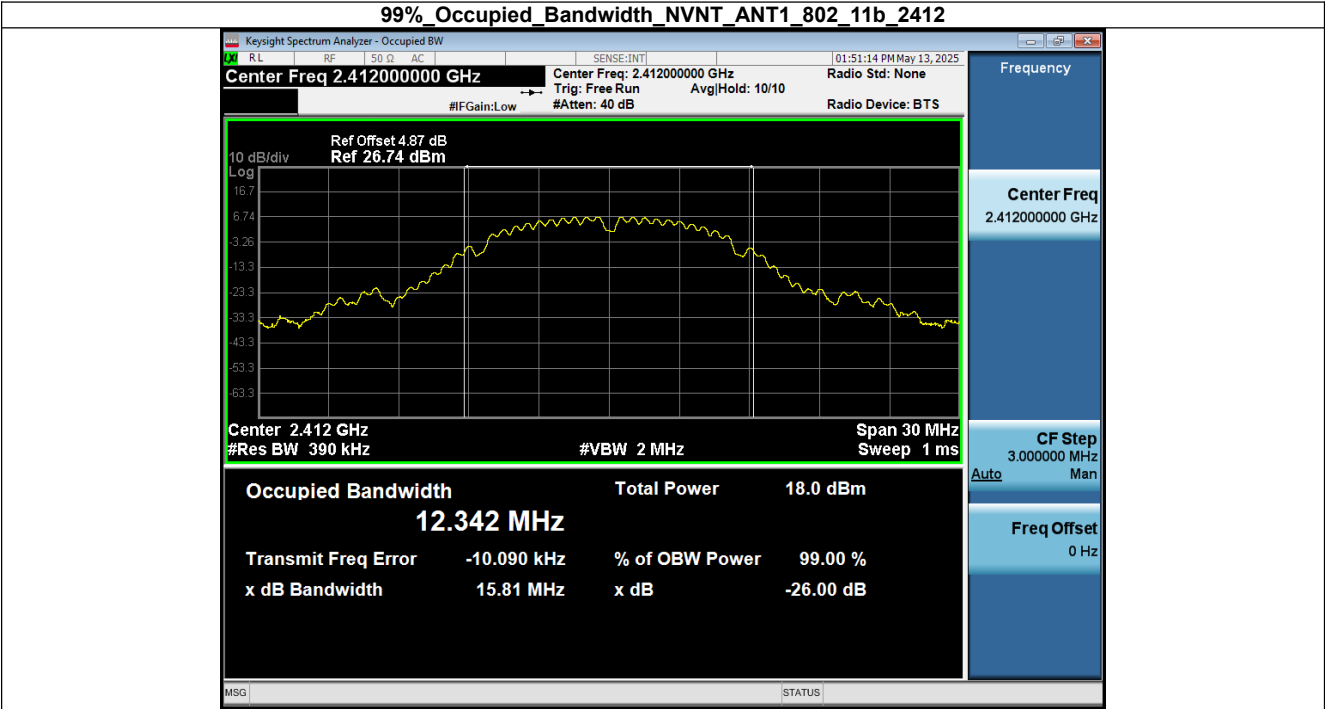
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



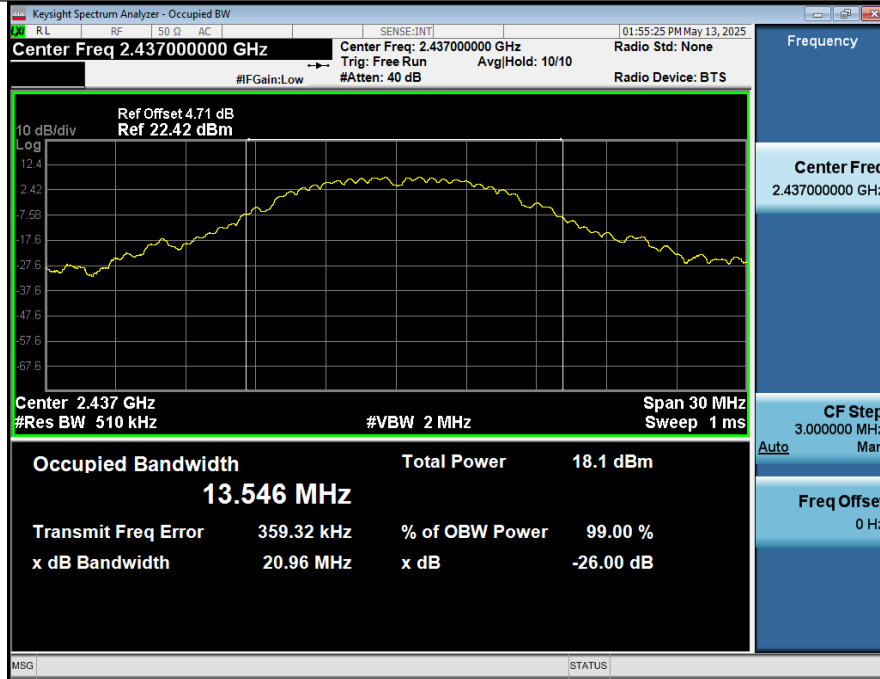


2. 99% Occupied Bandwidth

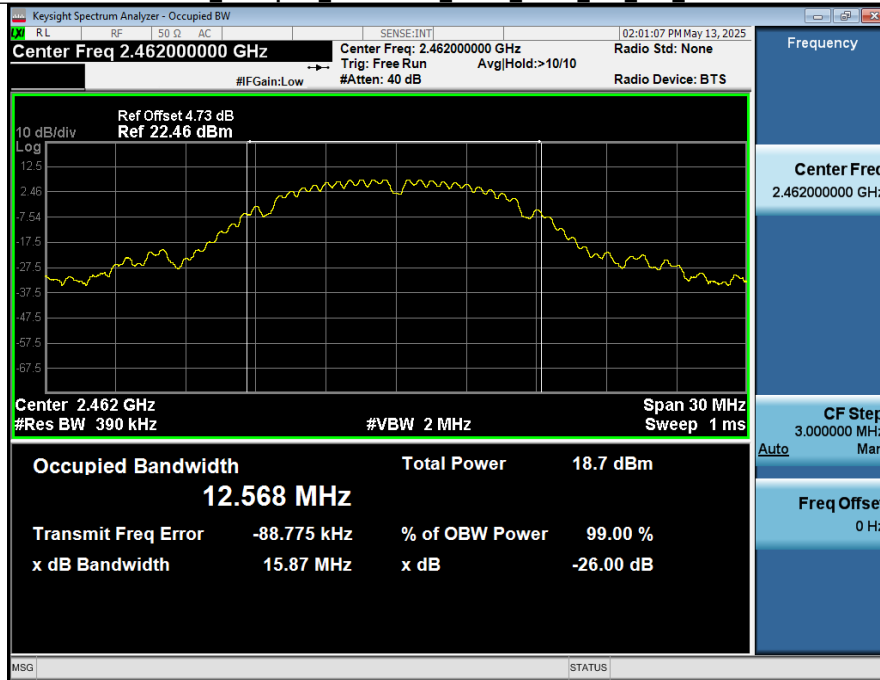
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	12.342
NVNT	ANT1	802.11b	2437.00	13.546
NVNT	ANT1	802.11b	2462.00	12.568
NVNT	ANT1	802.11g	2412.00	17.123
NVNT	ANT1	802.11g	2437.00	17.401
NVNT	ANT1	802.11g	2462.00	17.138
NVNT	ANT1	802.11n(HT20)	2412.00	17.918
NVNT	ANT1	802.11n(HT20)	2437.00	17.908
NVNT	ANT1	802.11n(HT20)	2462.00	17.879
NVNT	ANT1	802.11n(HT40)	2422.00	36.674
NVNT	ANT1	802.11n(HT40)	2437.00	36.529
NVNT	ANT1	802.11n(HT40)	2452.00	36.591



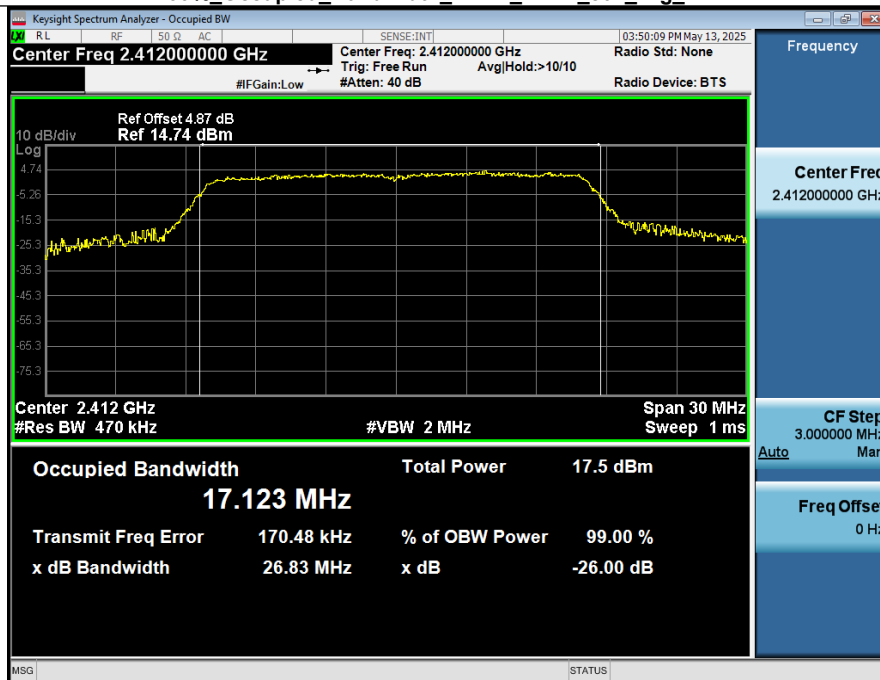
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



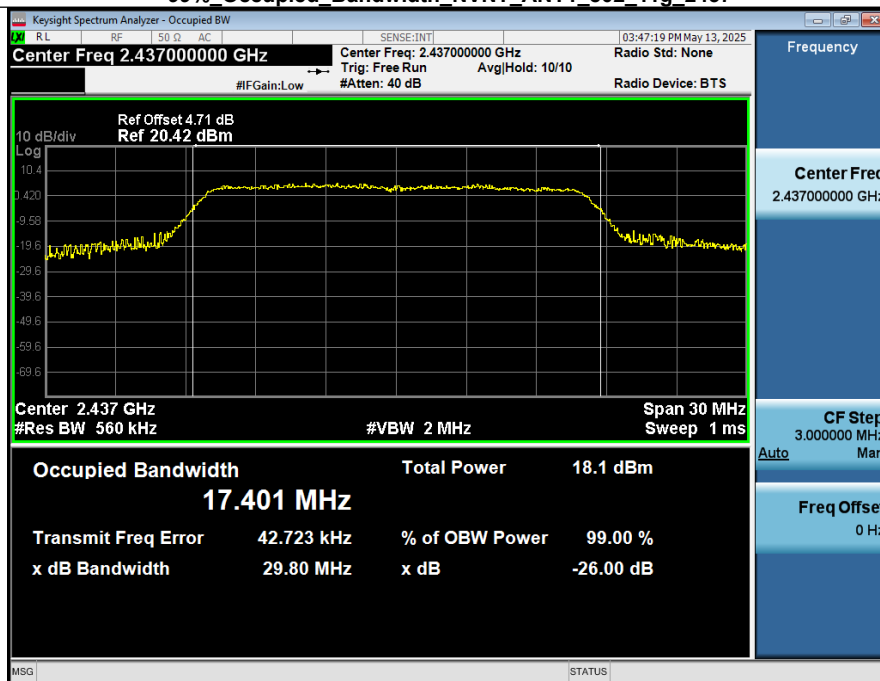
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



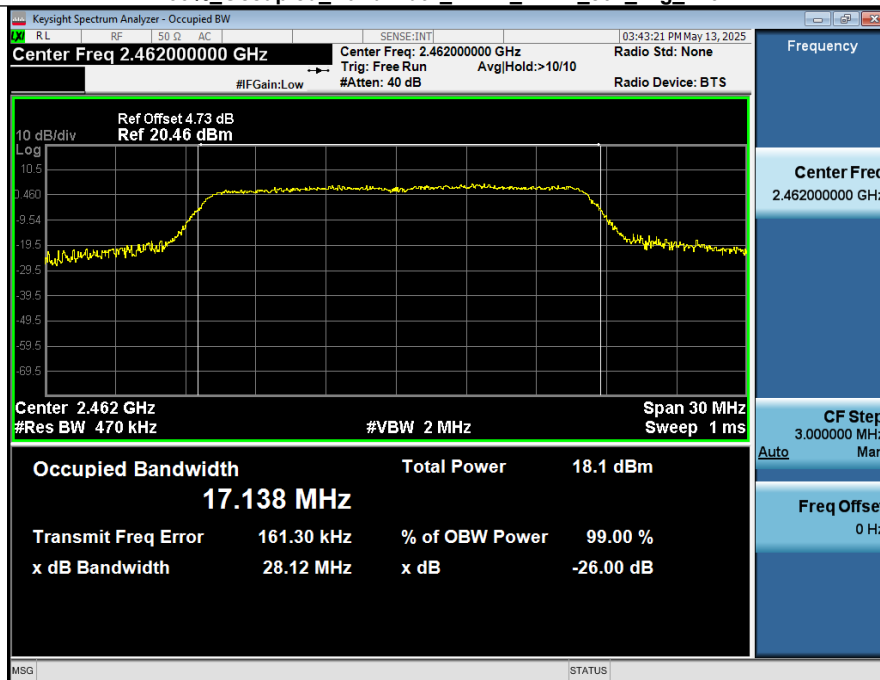
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



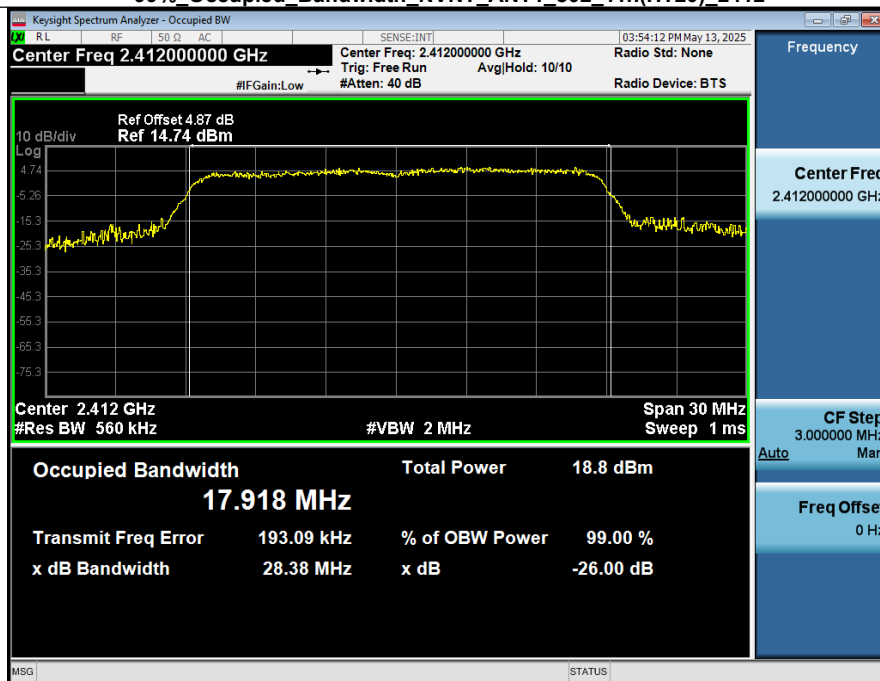
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

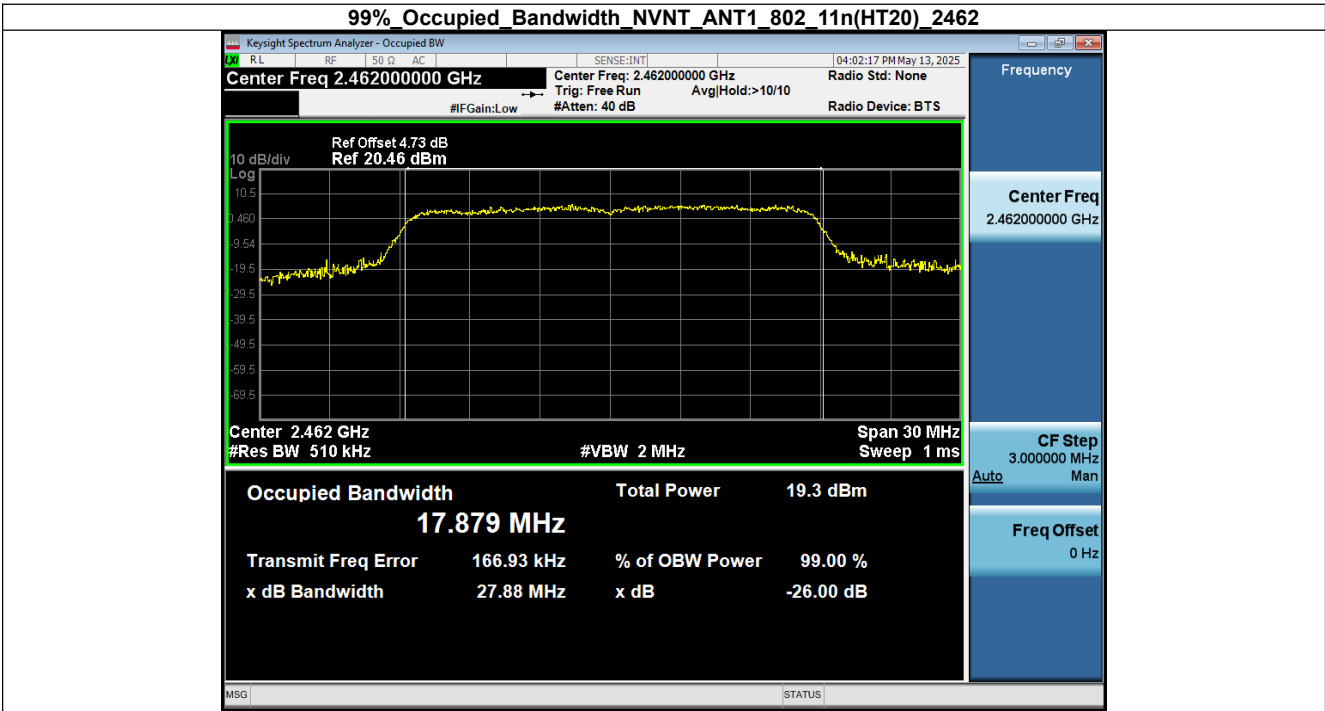
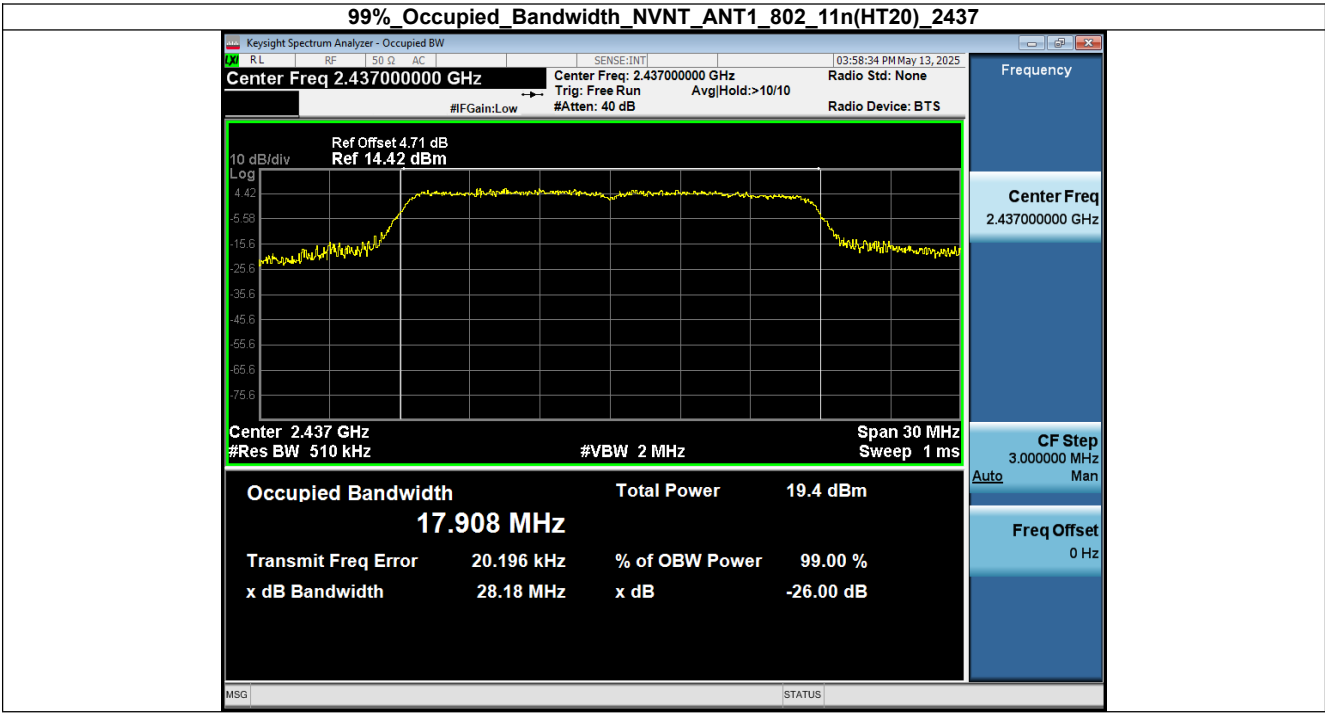


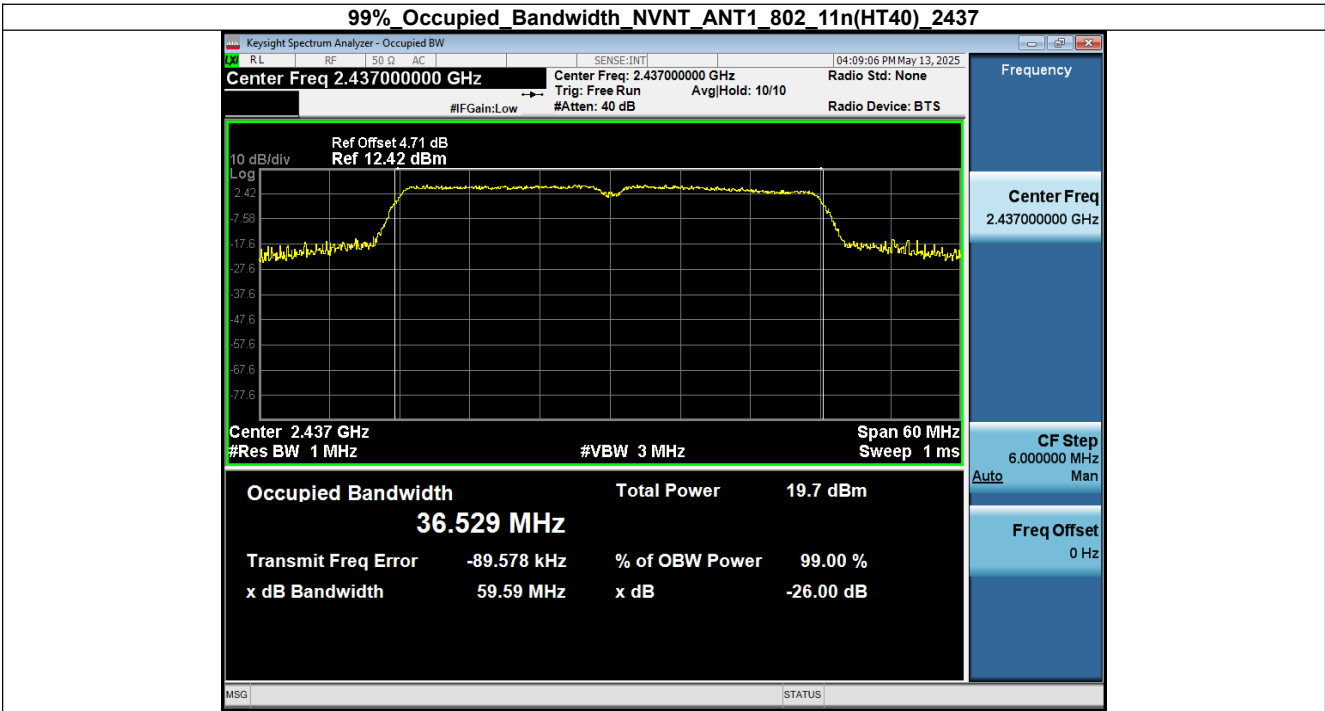
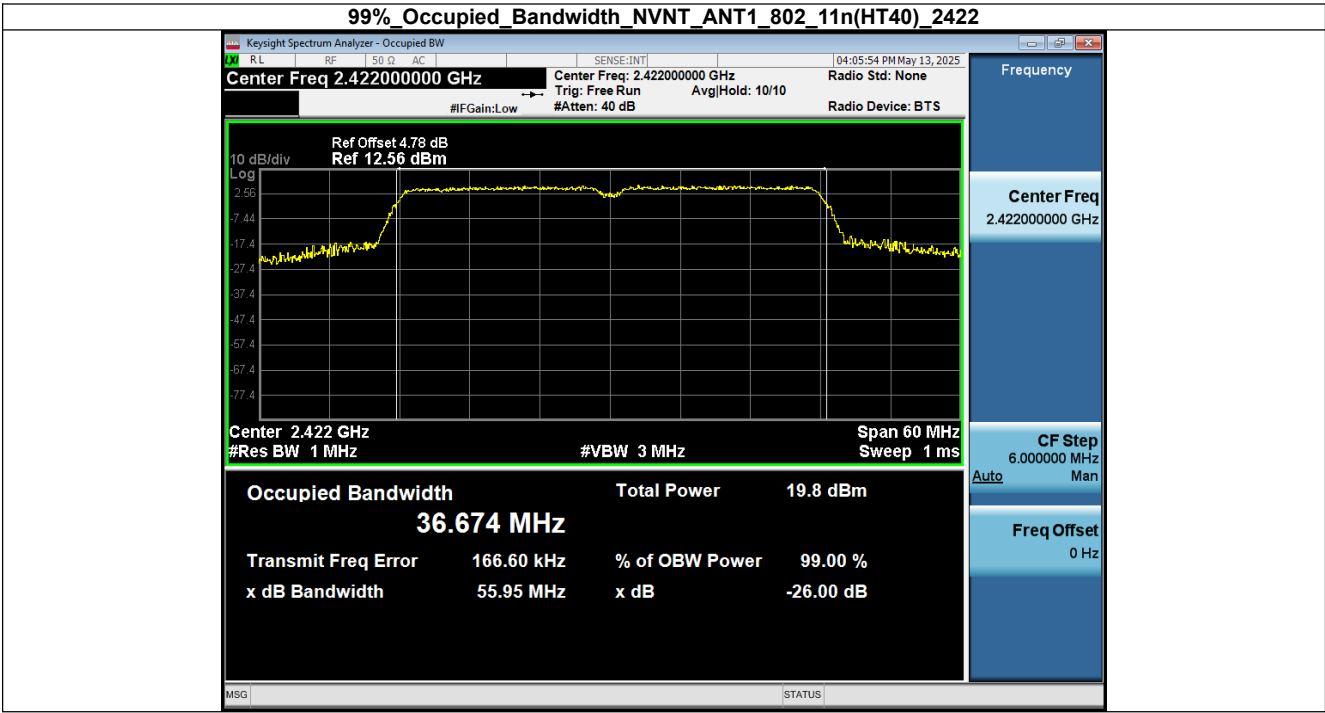
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

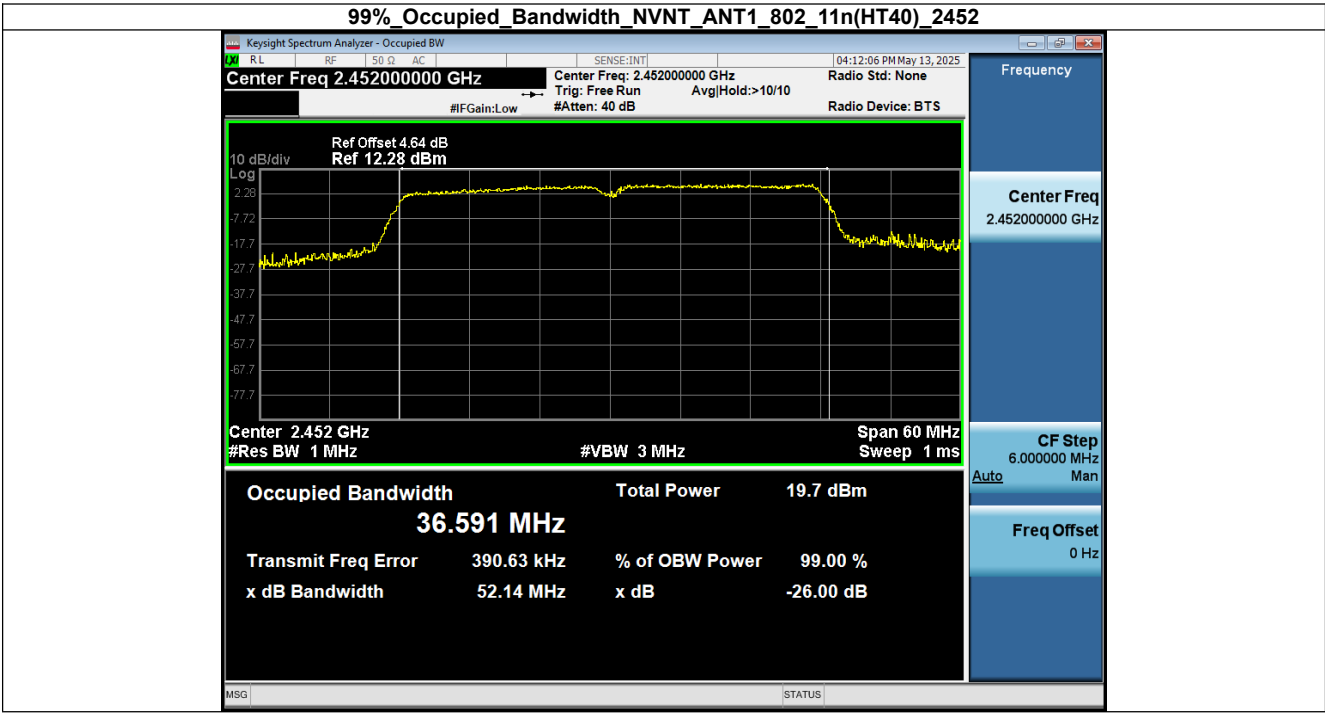


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



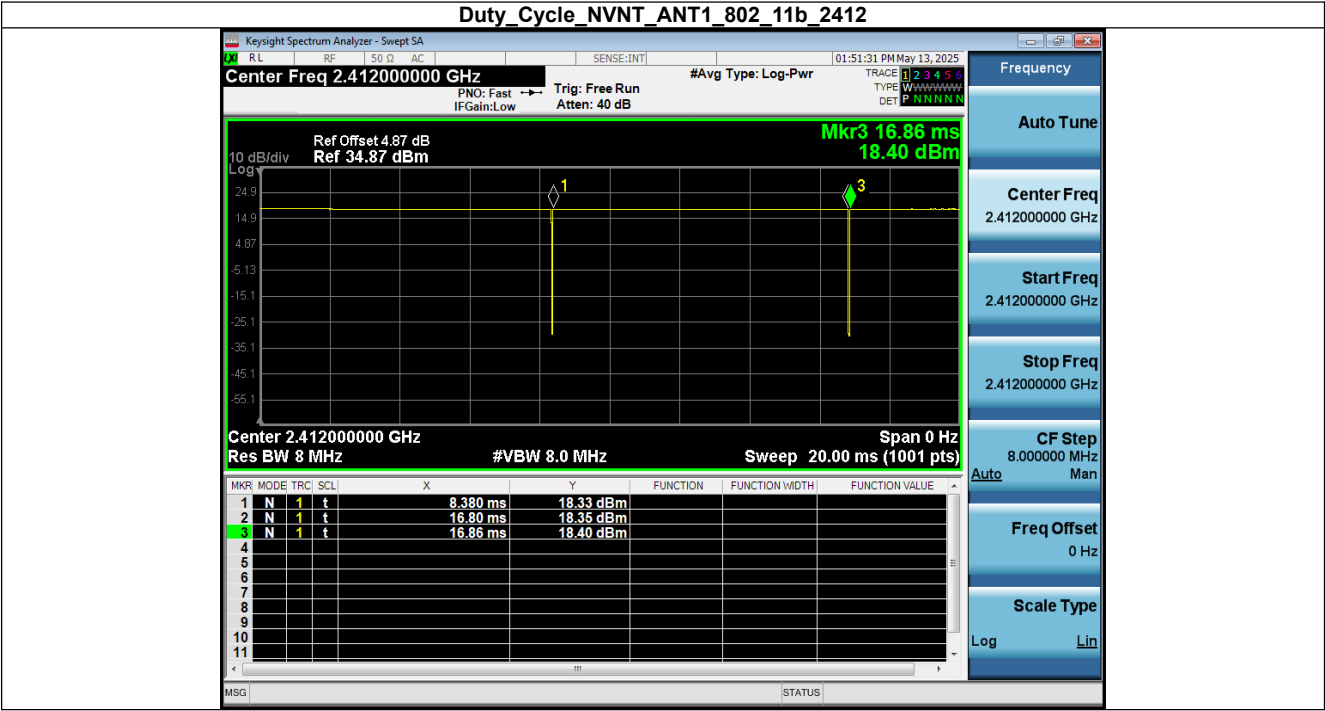




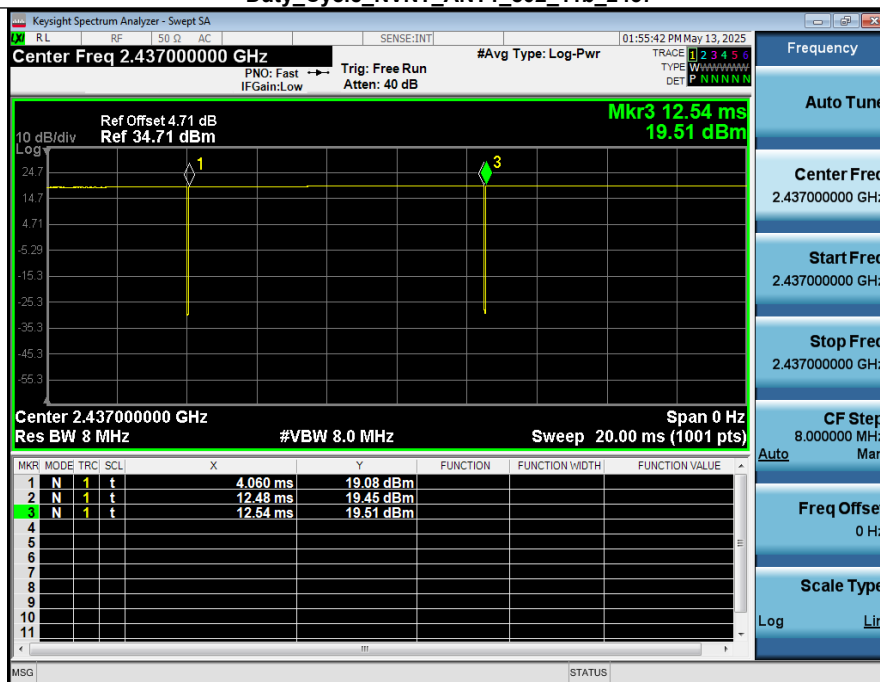


3. Duty Cycle

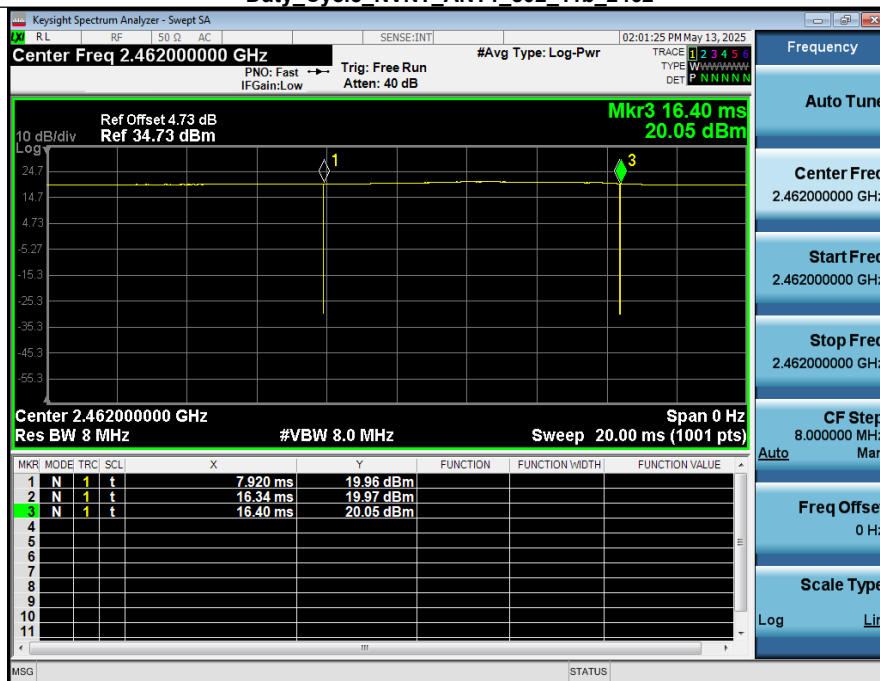
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	98.61	0.00
NVNT	ANT1	802.11g	2437.00	97.22	0.12
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	ANT1	802.11n(HT20)	2412.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2437.00	98.36	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	96.77	0.14
NVNT	ANT1	802.11n(HT40)	2422.00	96.88	0.14
NVNT	ANT1	802.11n(HT40)	2437.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2452.00	96.88	0.14



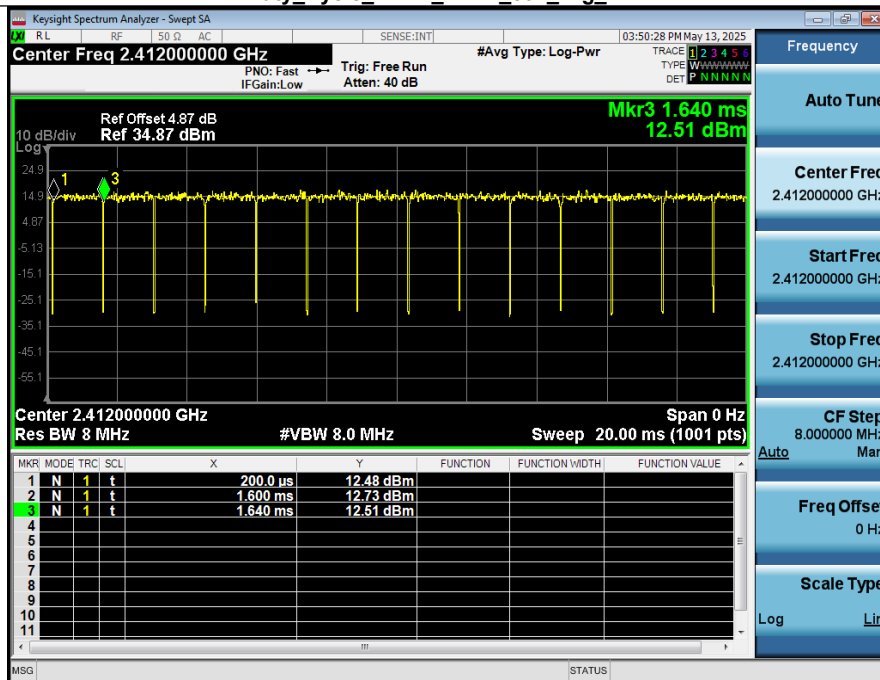
Duty Cycle NVNT_ANT1_802_11b_2437



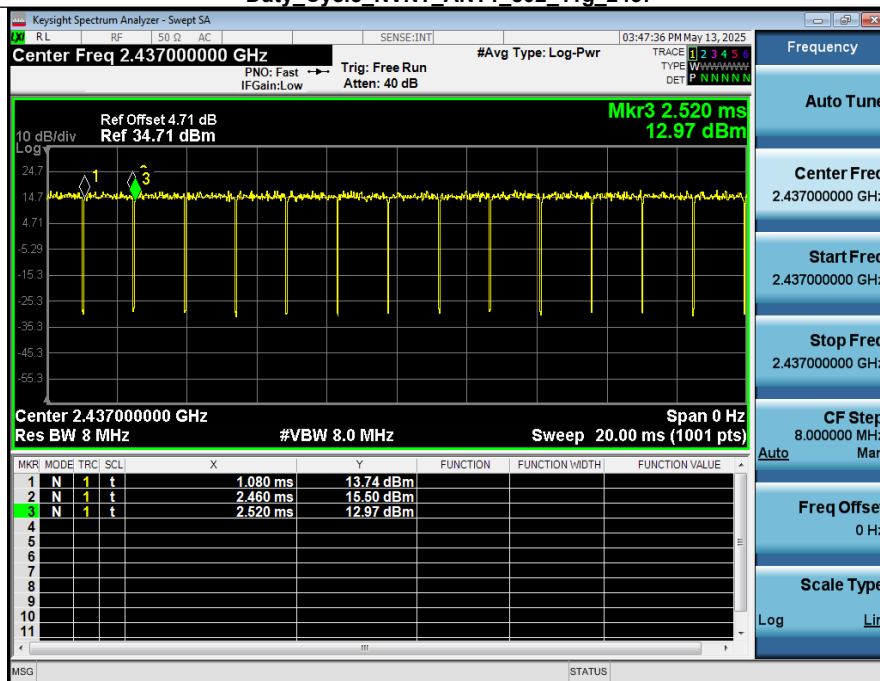
Duty Cycle NVNT_ANT1_802_11b_2462



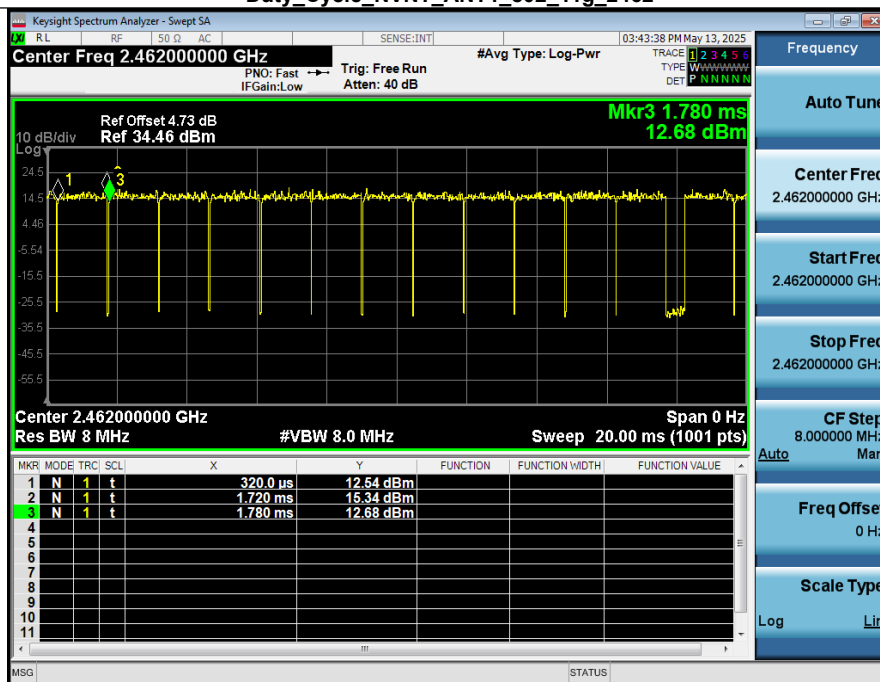
Duty Cycle NVNT_ANT1_802_11g_2412



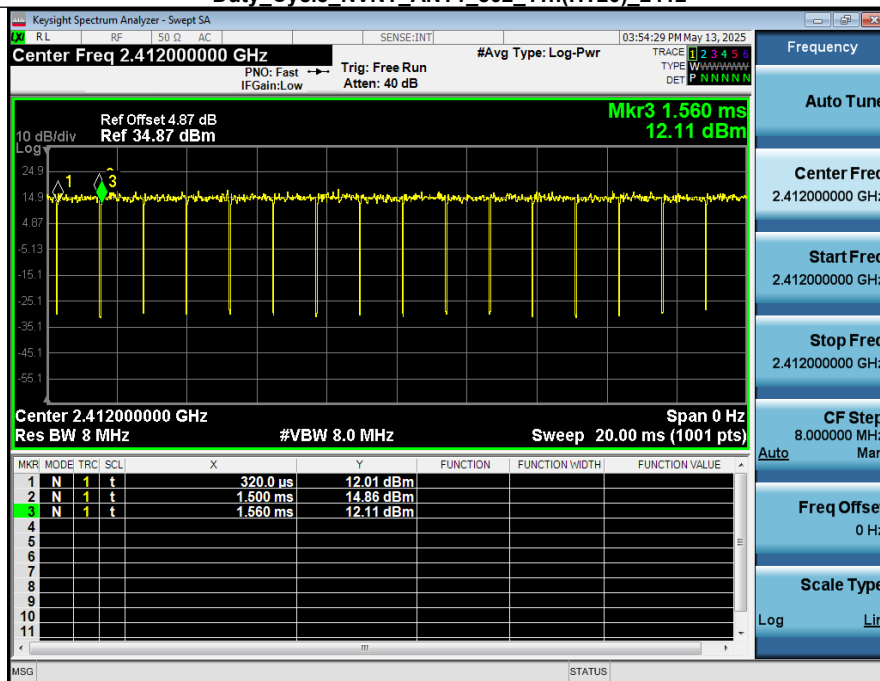
Duty Cycle NVNT_ANT1_802_11g_2437



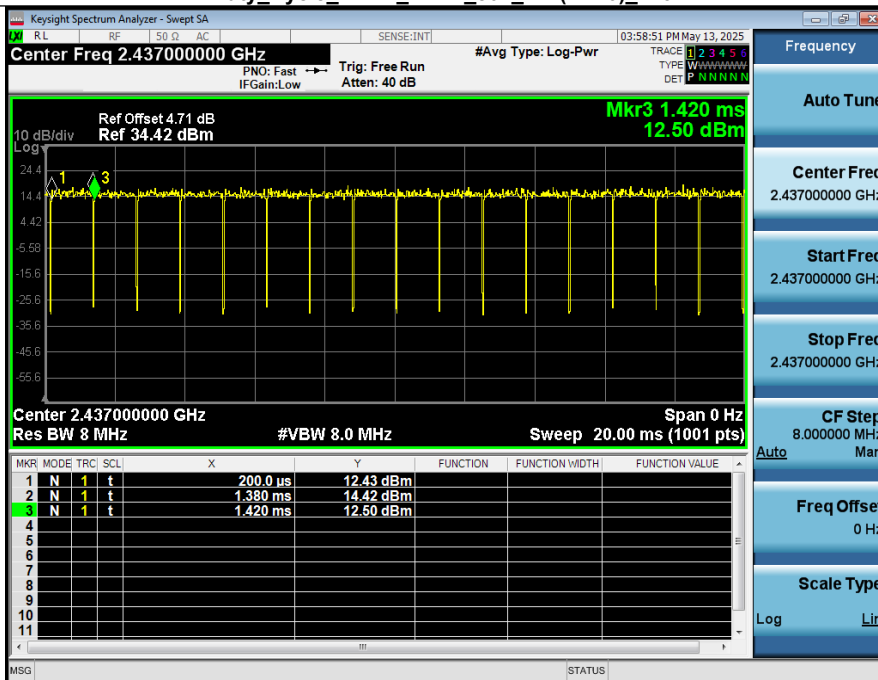
Duty Cycle NVNT_ANT1_802_11g_2462



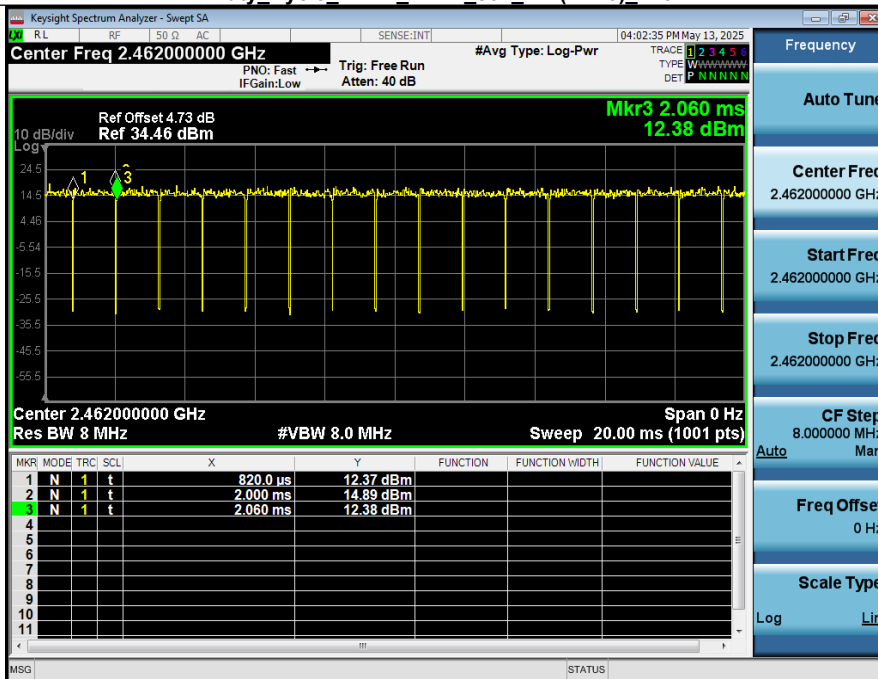
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



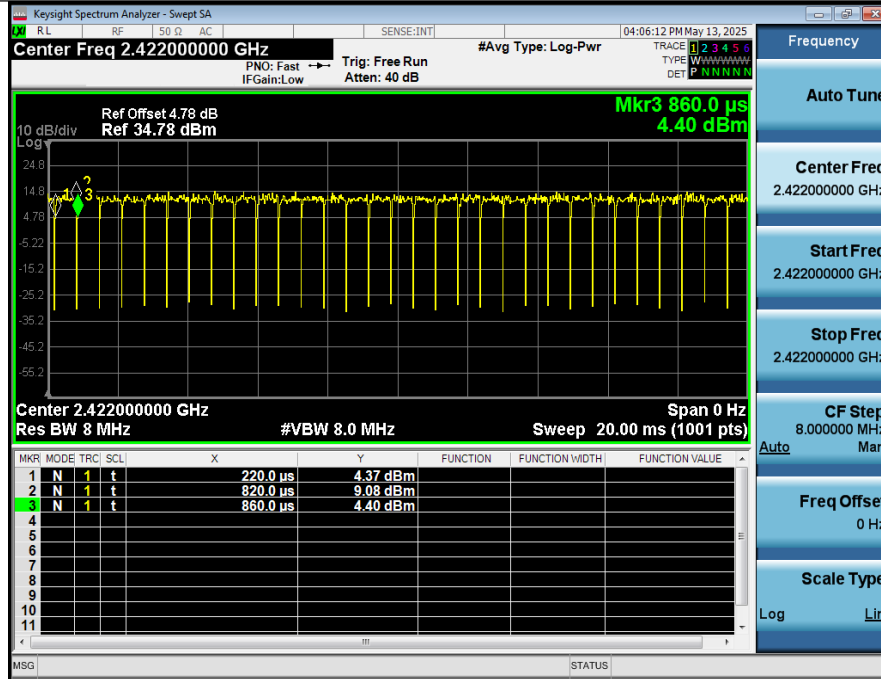
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



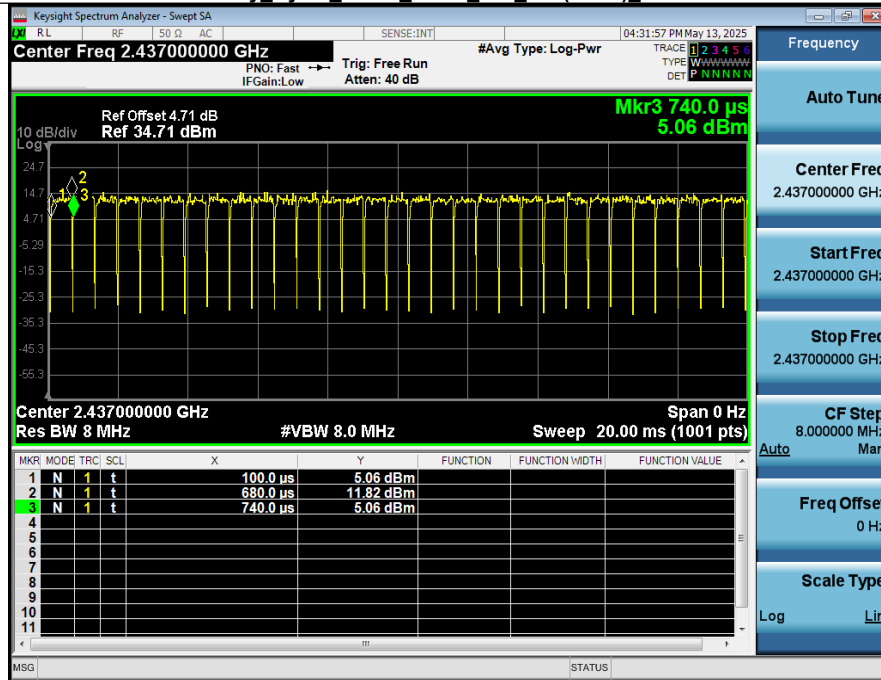
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



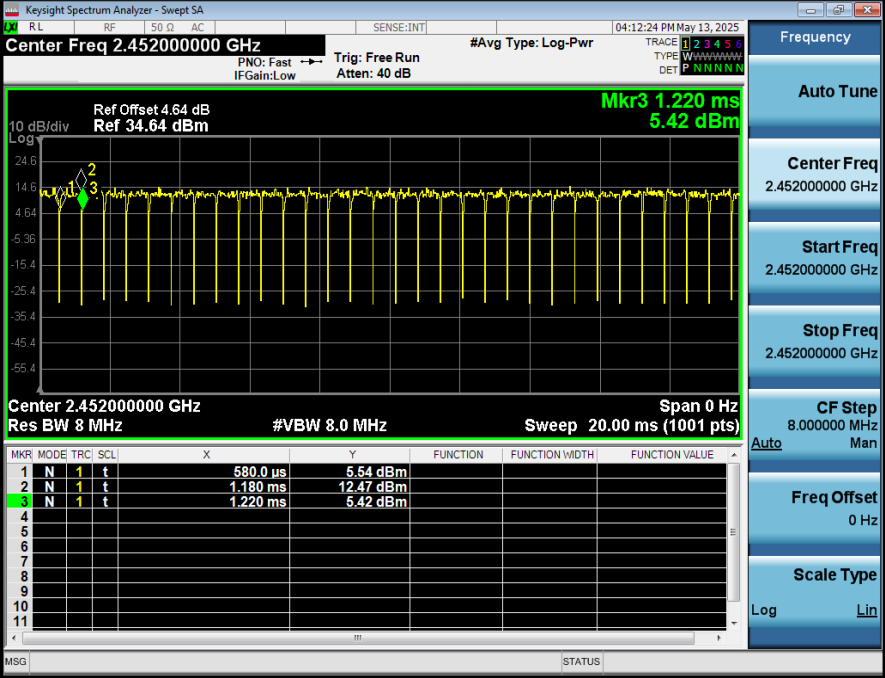
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	17.35	N/A	17.35	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	18.07	N/A	18.07	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	18.10	N/A	18.10	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	17.07	N/A	17.07	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	17.71	N/A	17.71	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	17.62	N/A	17.62	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	18.14	N/A	18.14	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	18.91	N/A	18.91	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	18.80	N/A	18.80	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	18.86	N/A	18.86	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	18.70	N/A	18.70	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	18.75	N/A	18.75	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	4.13	N/A	-10.00	-5.87	8	Pass
NVNT	ANT1	802.11b	2437.00	3.27	N/A	-10.00	-6.73	8	Pass
NVNT	ANT1	802.11b	2462.00	3.21	N/A	-10.00	-6.79	8	Pass
NVNT	ANT1	802.11g	2412.00	-4.38	N/A	-10.00	-14.38	8	Pass
NVNT	ANT1	802.11g	2437.00	-4.25	N/A	-10.00	-14.25	8	Pass
NVNT	ANT1	802.11g	2462.00	-4.92	N/A	-10.00	-14.92	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-4.97	N/A	-10.00	-14.97	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-4.61	N/A	-10.00	-14.61	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-4.47	N/A	-10.00	-14.47	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-8.17	N/A	-10.00	-18.17	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-7.82	N/A	-10.00	-17.82	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.84	N/A	-10.00	-17.84	8	Pass



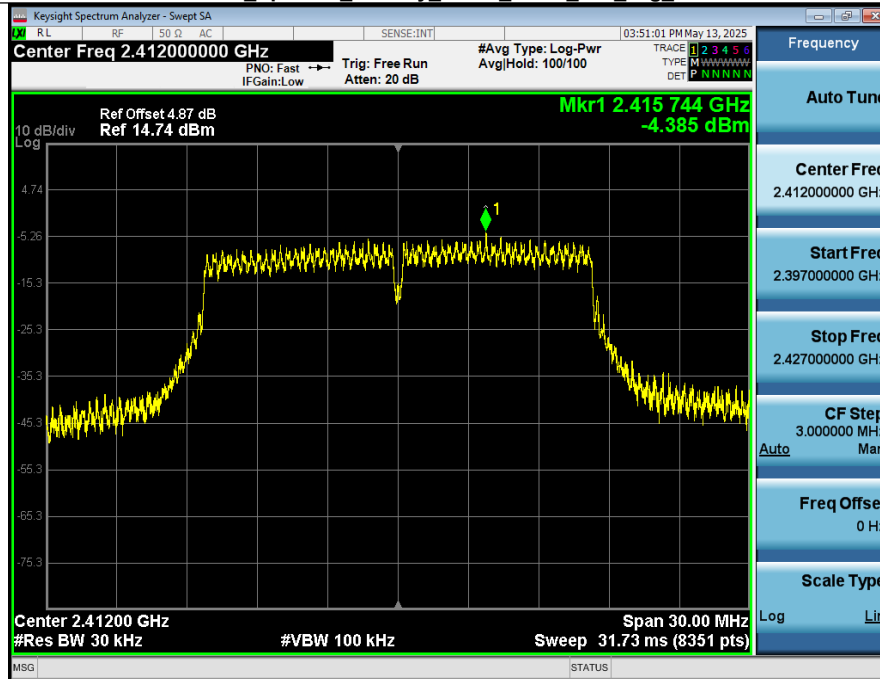
Power Spectral Density NVNT_ANT1_802_11b_2437



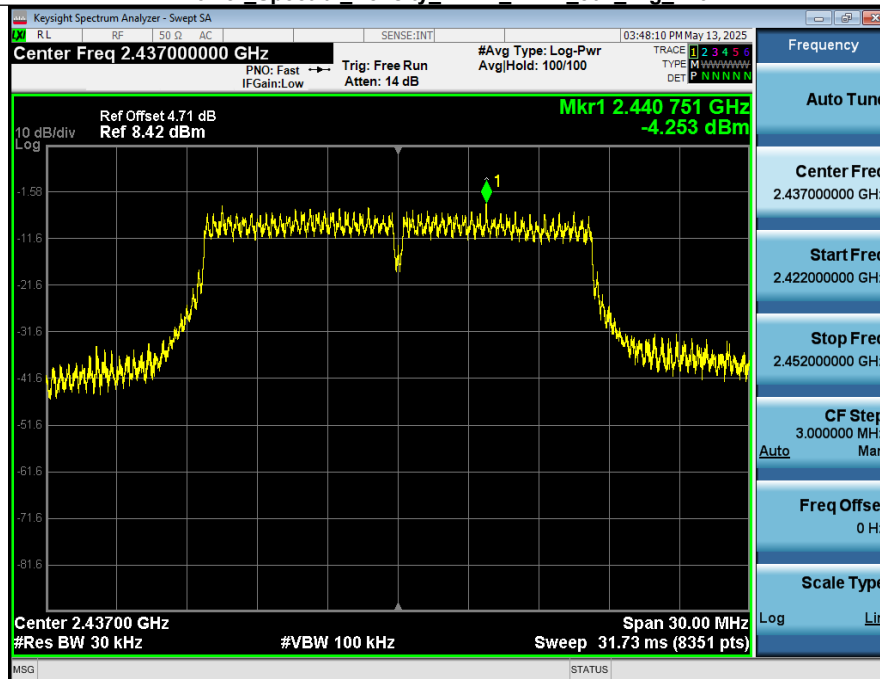
Power Spectral Density NVNT_ANT1_802_11b_2462



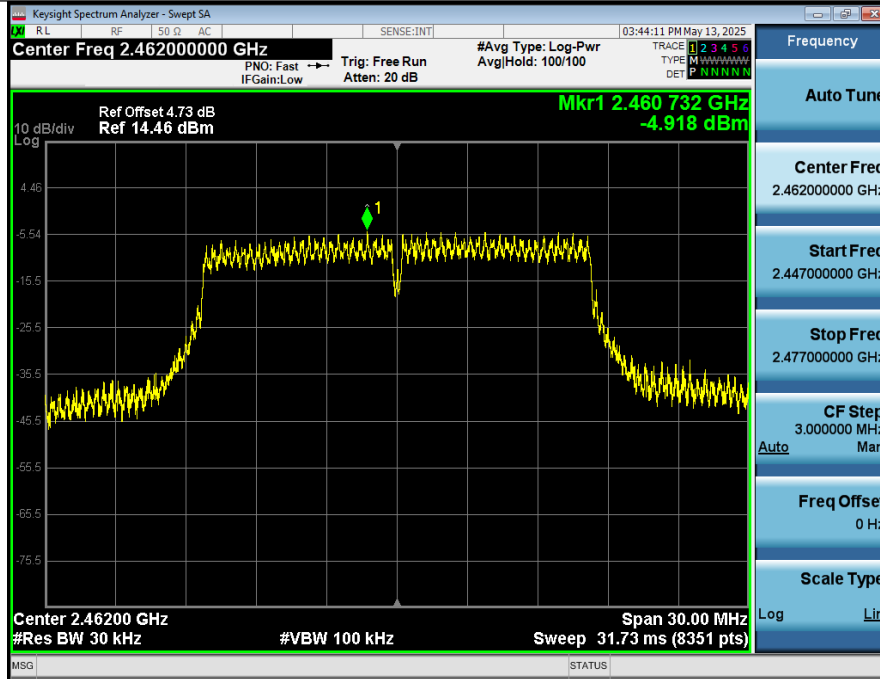
Power Spectral Density NVNT_ANT1_802_11g_2412



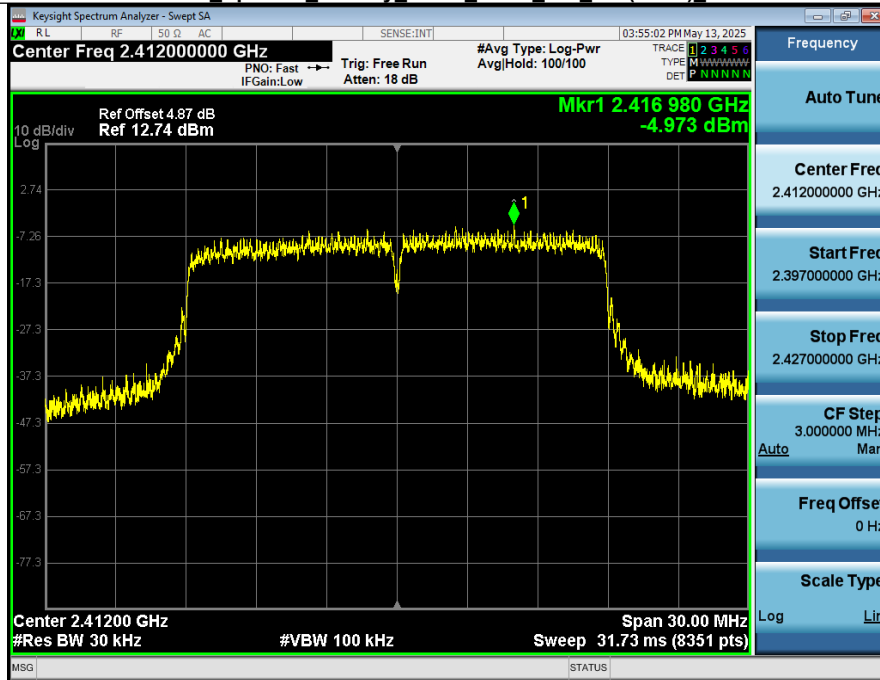
Power Spectral Density NVNT_ANT1_802_11g_2437



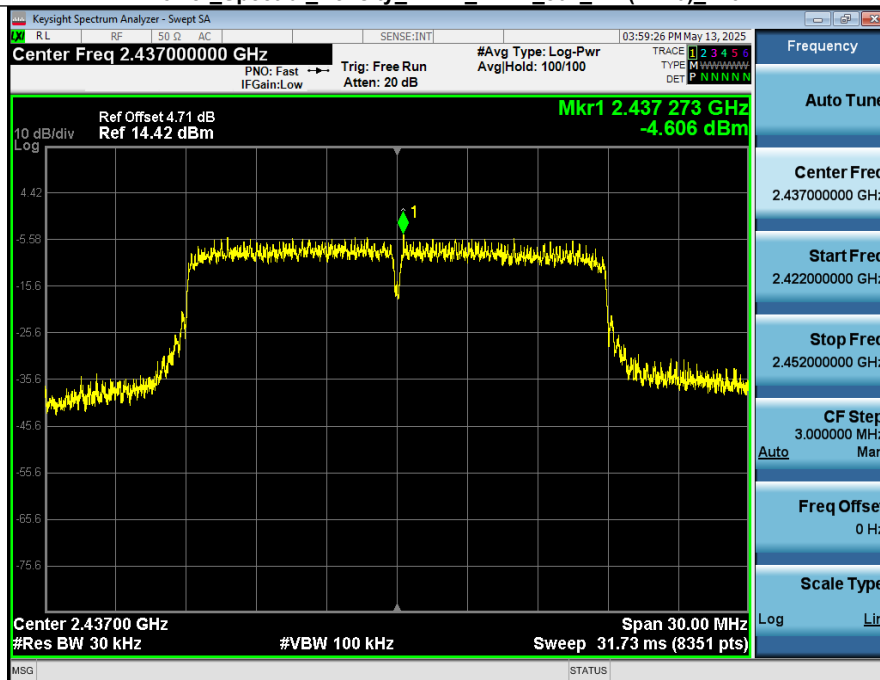
Power Spectral Density_NVNT_ANT1_802_11g_2462



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



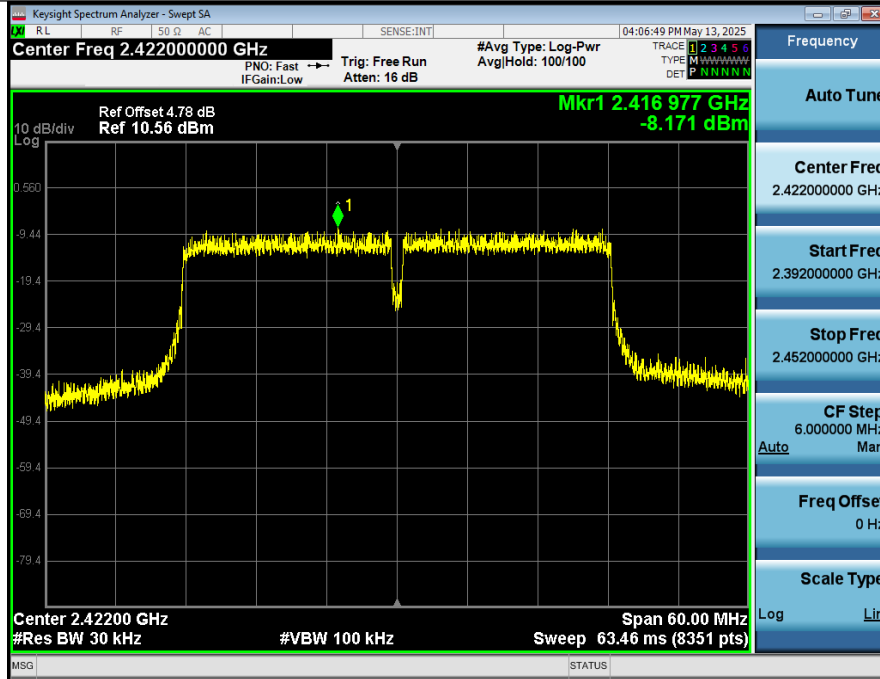
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



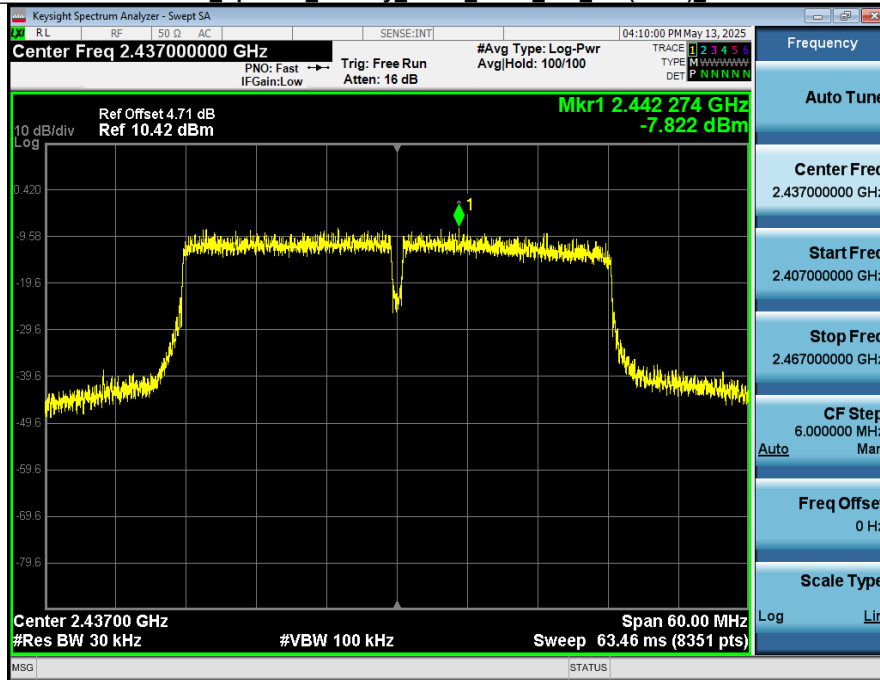
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2437

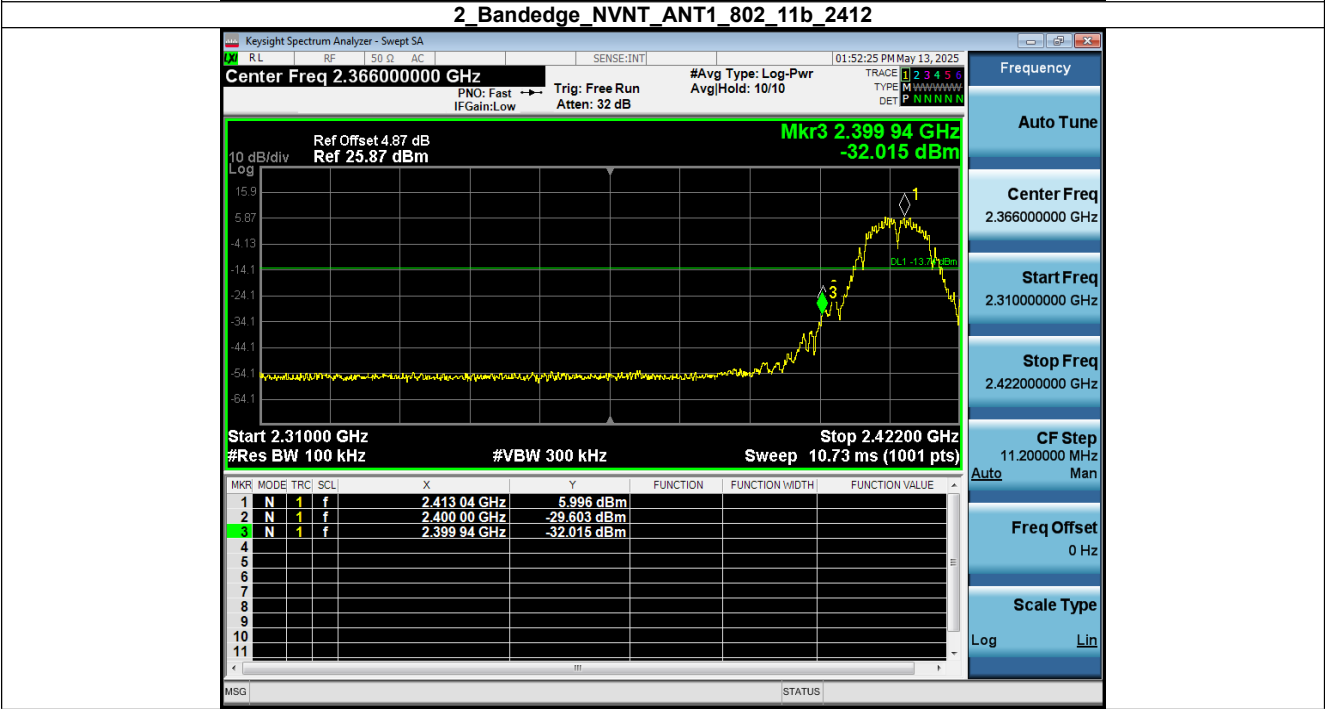


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	6.264	-32.015	-13.736	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	6.940	-45.333	-13.060	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-0.666	-33.633	-20.666	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	-0.193	-40.609	-20.193	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.264	-0.653	-34.164	-20.653	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.872	0.209	-36.898	-19.791	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-2.926	-31.885	-22.926	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.020	-2.698	-35.055	-22.698	Pass



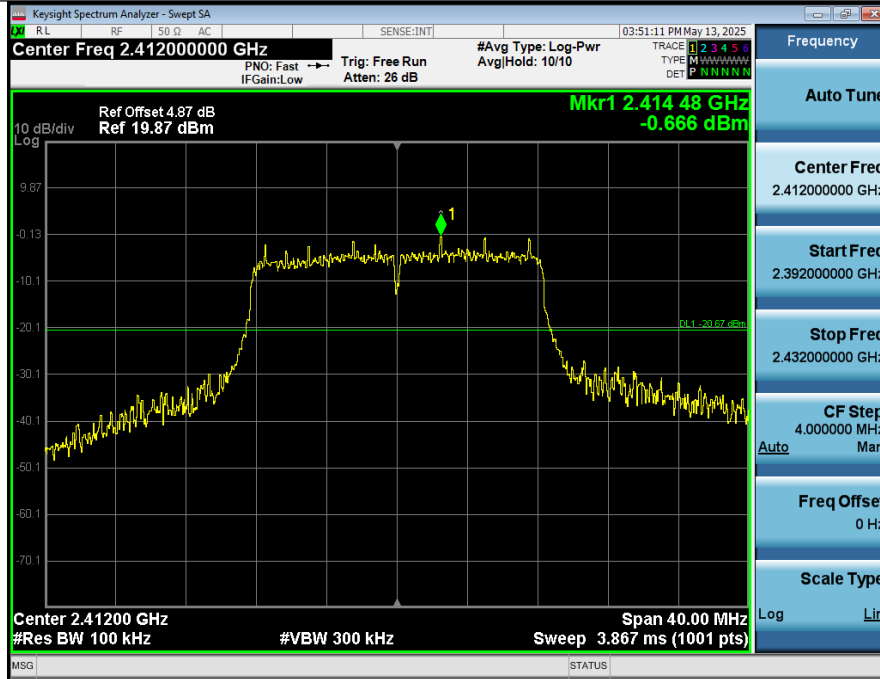
1 Reference Level_NVNT_ANT1_802_11b_2462



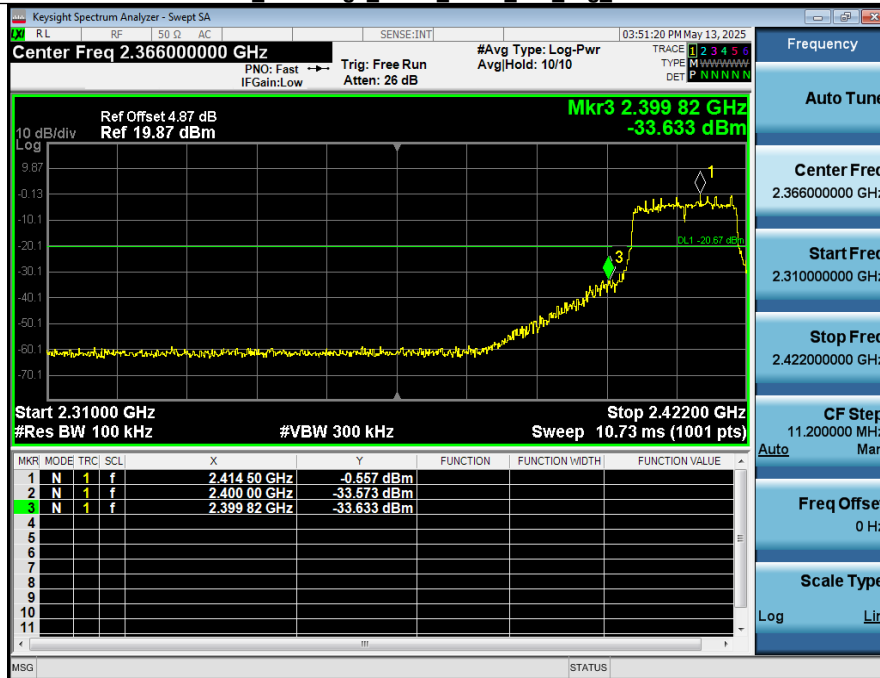
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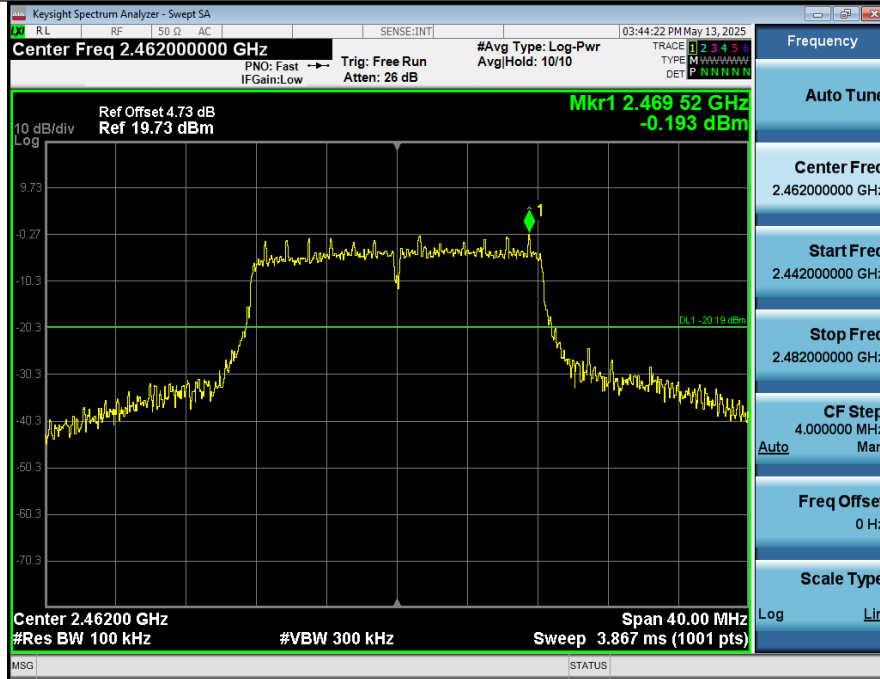
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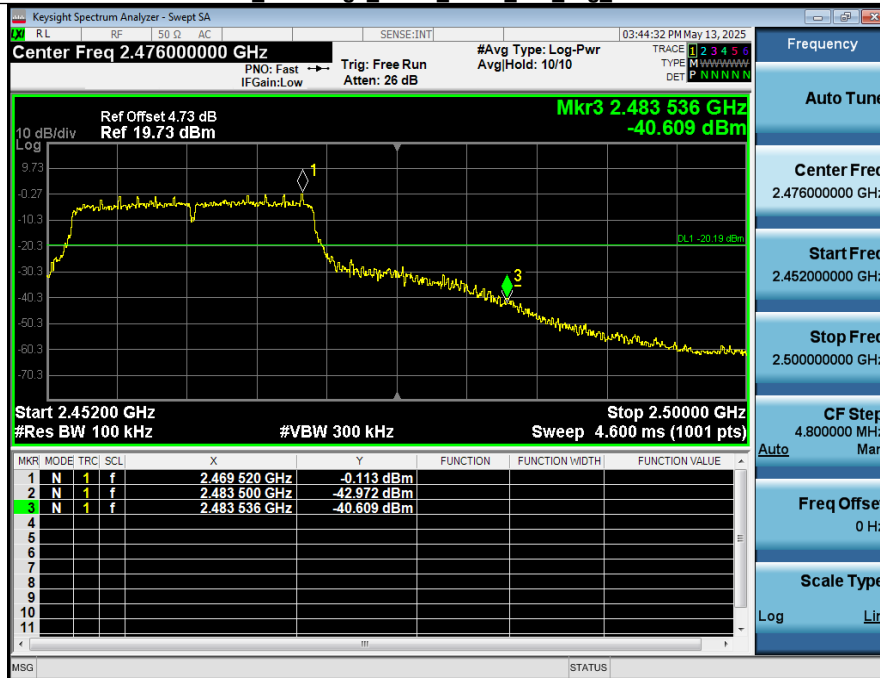
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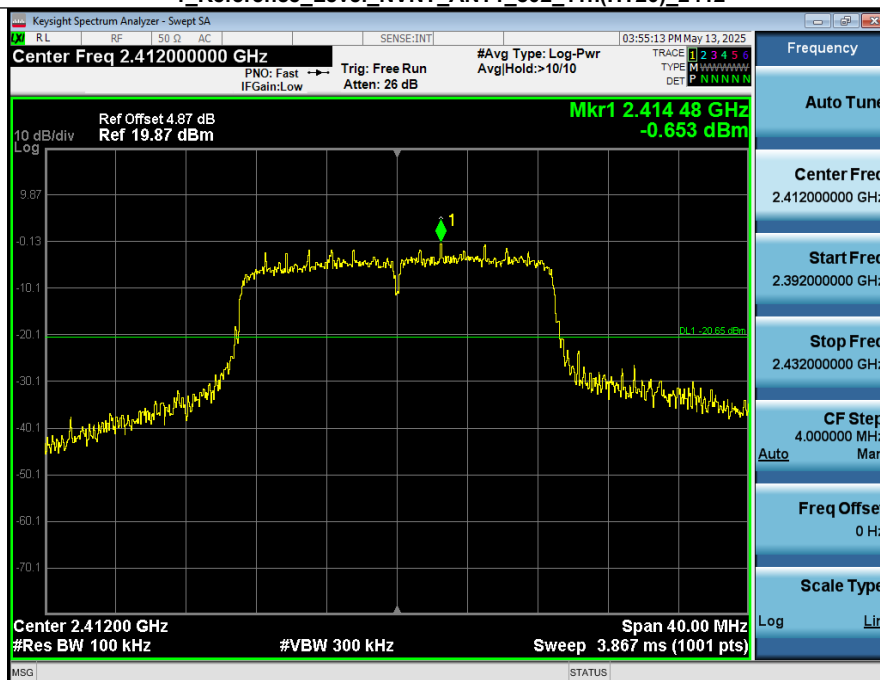
1 Reference Level_NVNT_ANT1_802_11g_2462



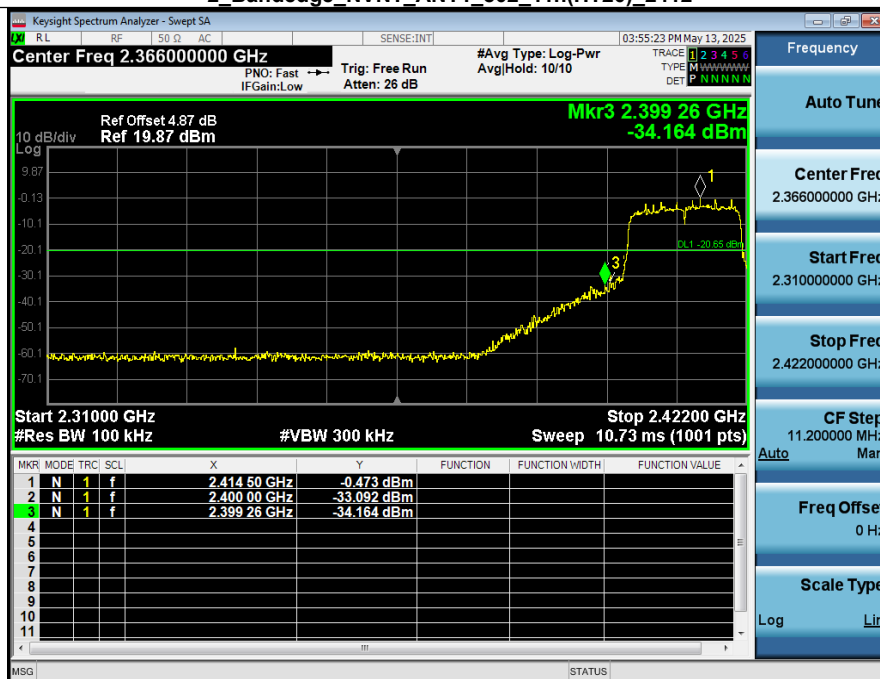
2 Bandedge_NVNT_ANT1_802_11g_2462



1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



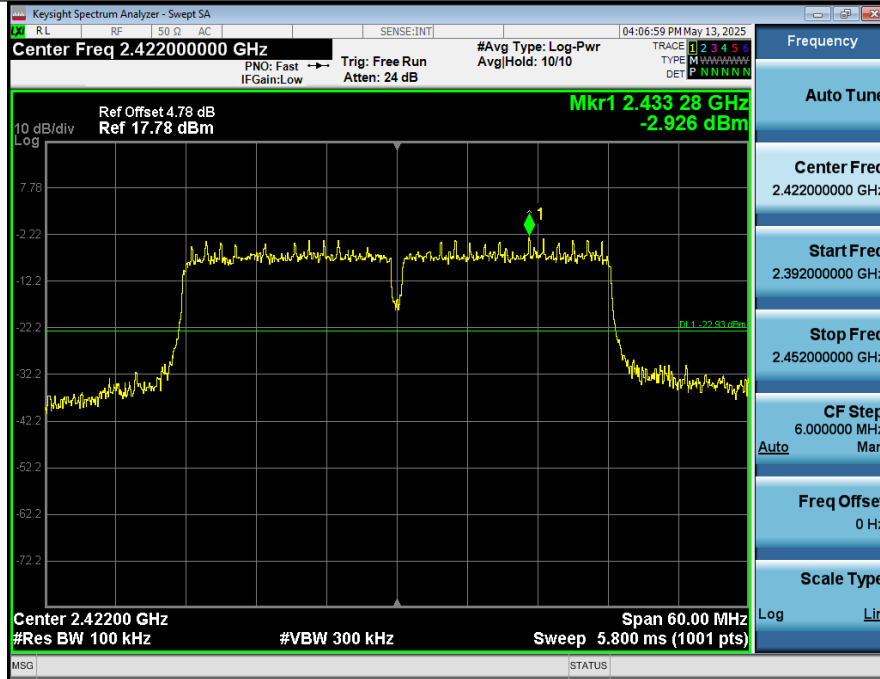
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



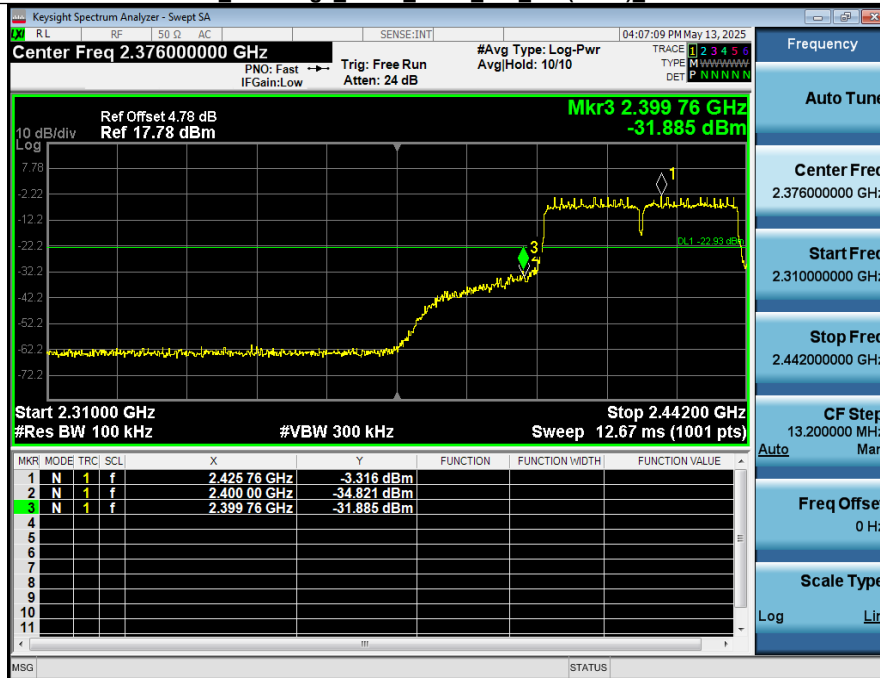
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



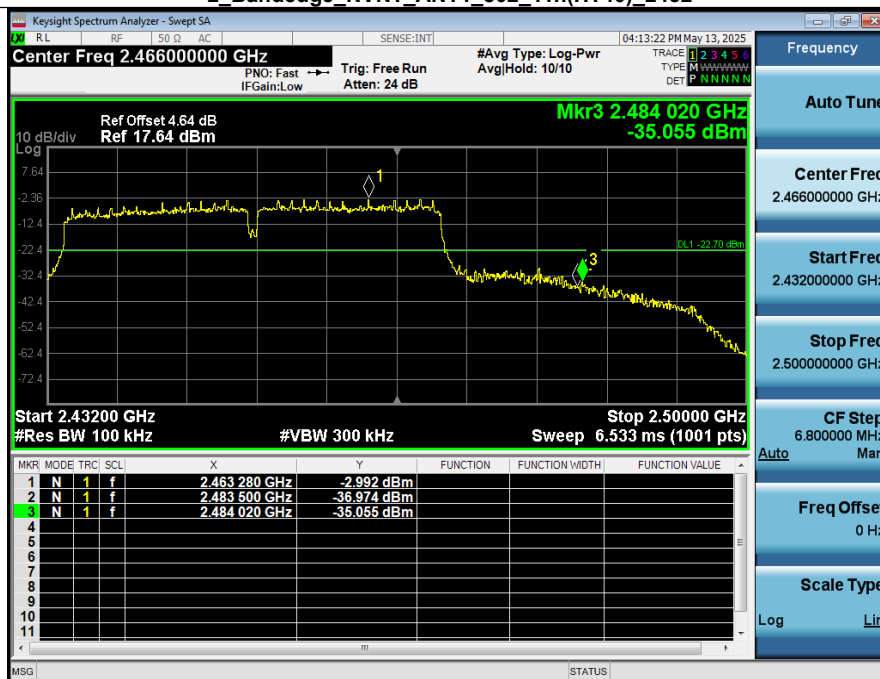
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

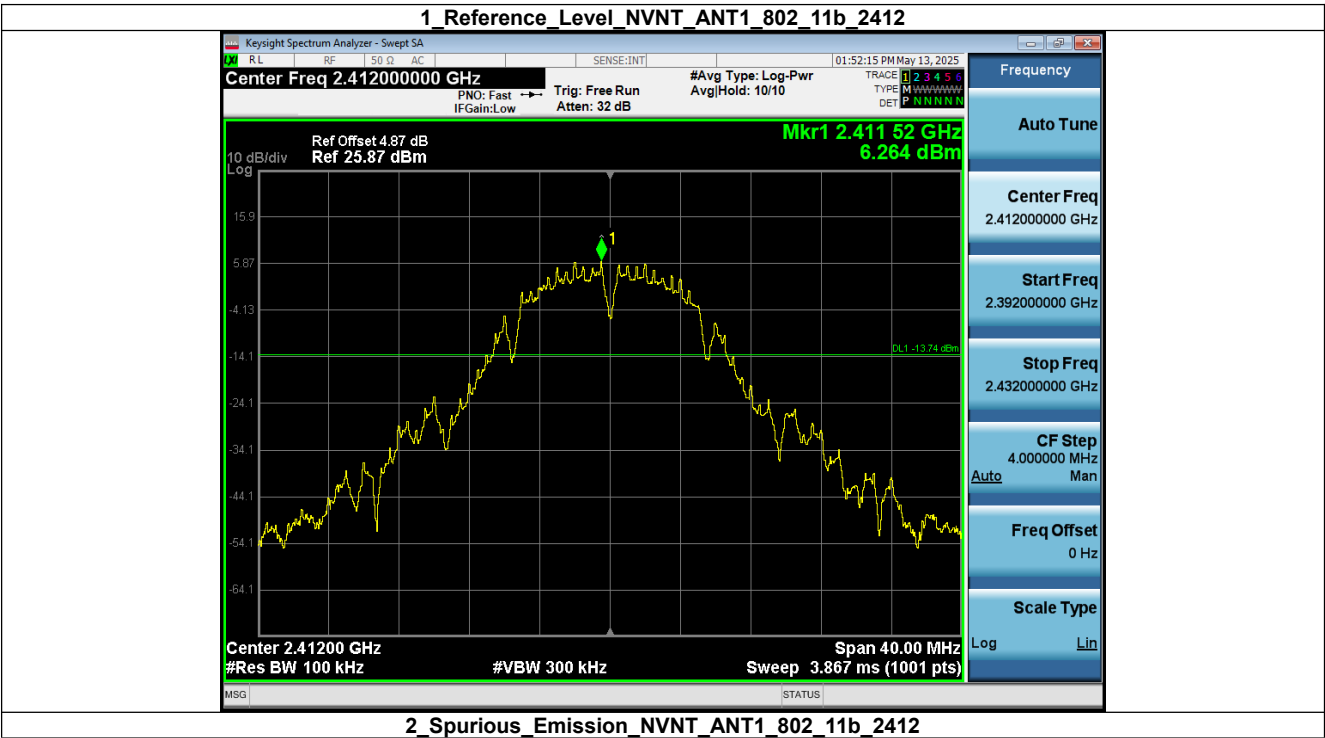


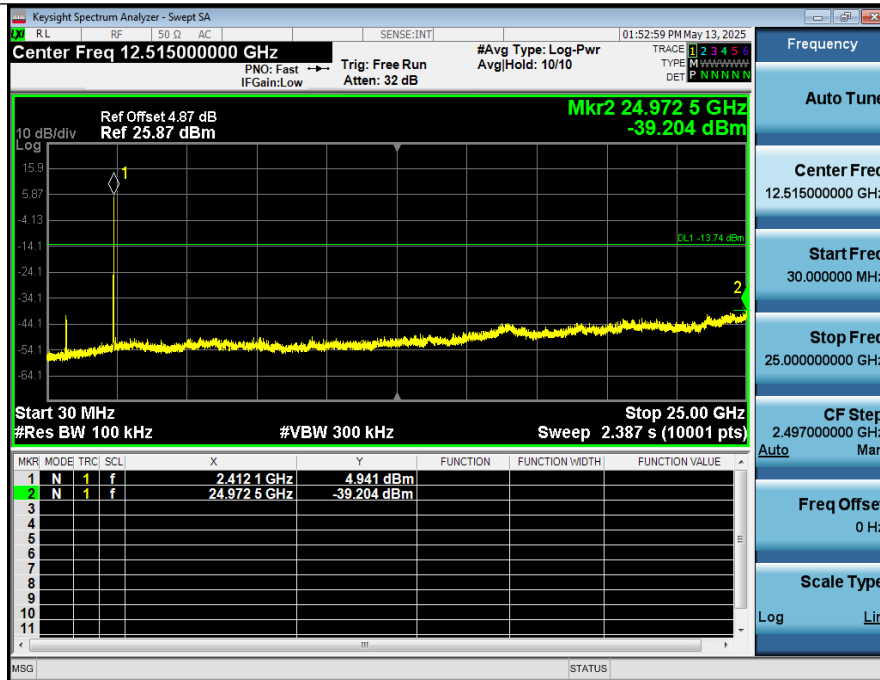
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24972.533	6.264	-39.204	-13.736	Pass
NVNT	ANT1	802.11b	2437.00	24965.042	7.241	-39.147	-12.759	Pass
NVNT	ANT1	802.11b	2462.00	24520.576	6.940	-43.412	-13.060	Pass
NVNT	ANT1	802.11g	2412.00	24987.515	-0.666	-42.898	-20.666	Pass
NVNT	ANT1	802.11g	2437.00	721.669	-0.200	-28.878	-20.200	Pass
NVNT	ANT1	802.11g	2462.00	24957.551	-0.193	-45.105	-20.193	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24937.575	-0.653	-44.651	-20.653	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	724.166	-0.315	-35.474	-20.315	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24775.270	0.209	-44.561	-19.791	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	911.441	-2.926	-30.458	-22.926	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24990.012	-3.082	-53.172	-23.082	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	911.441	-2.698	-33.411	-22.698	Pass

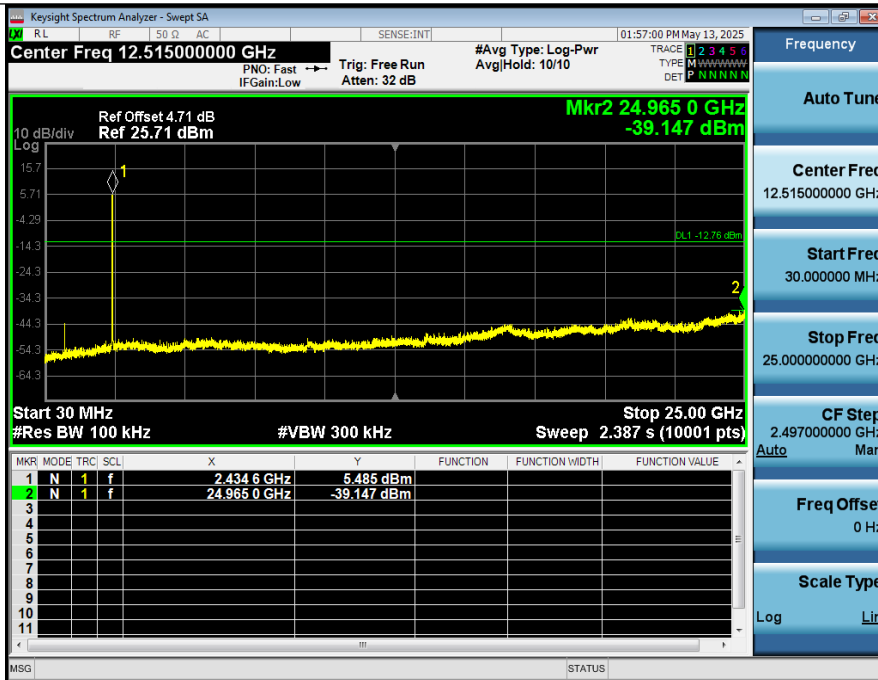




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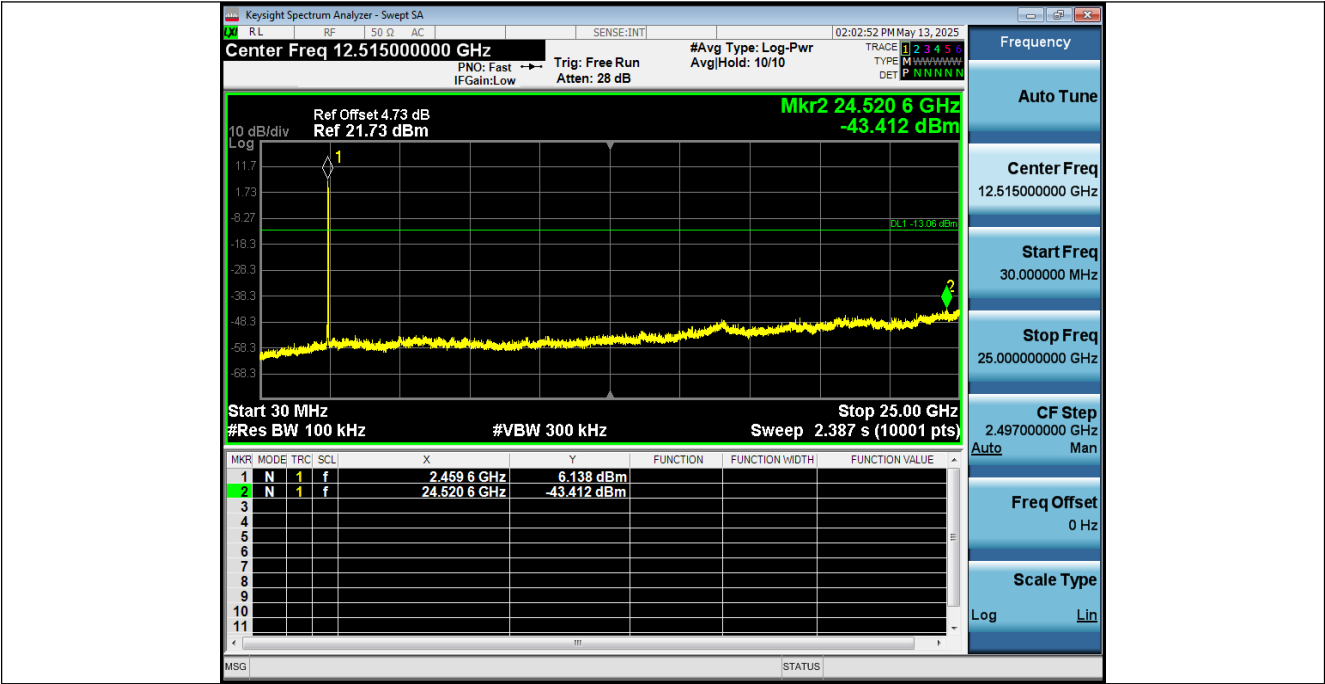
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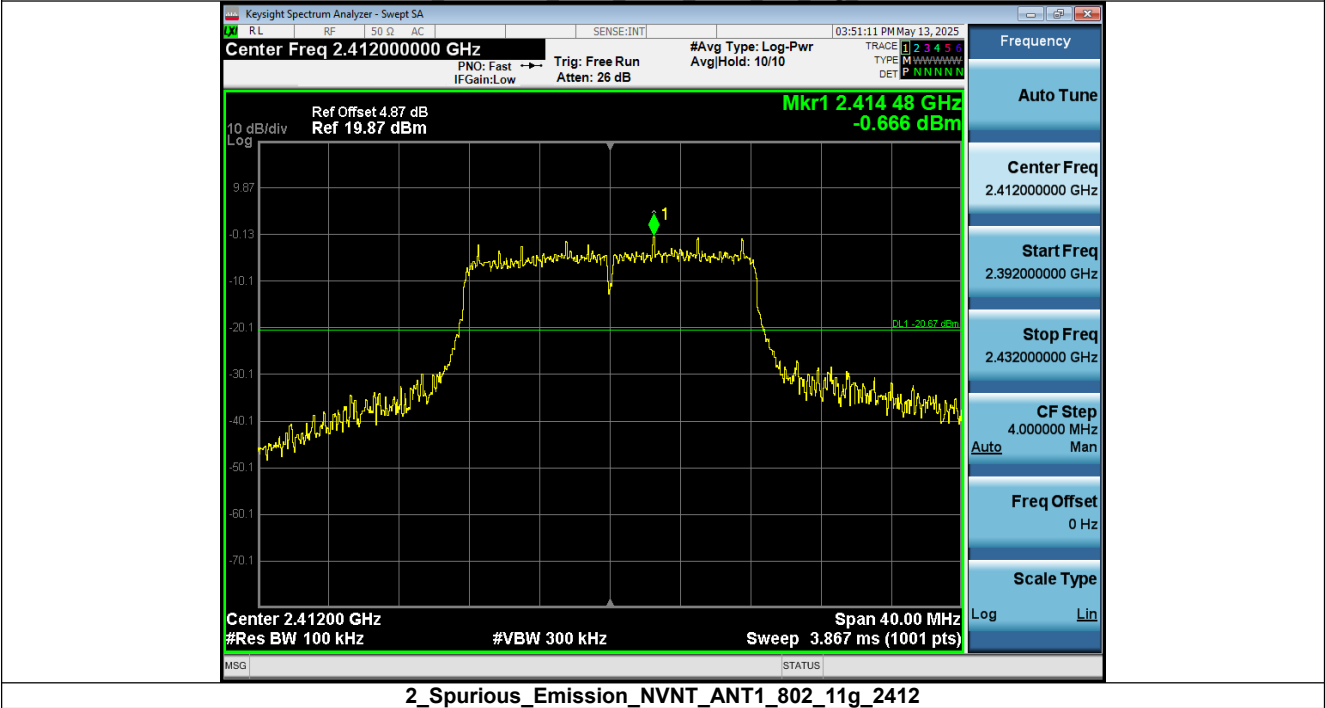
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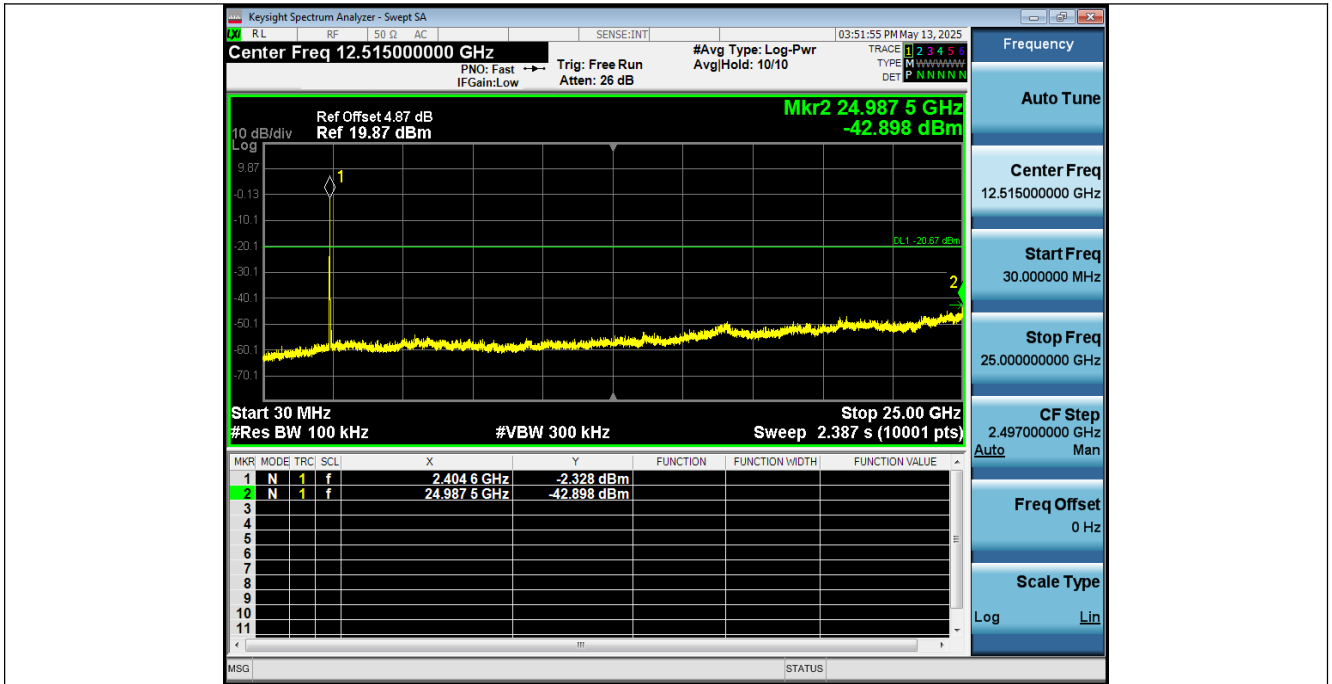
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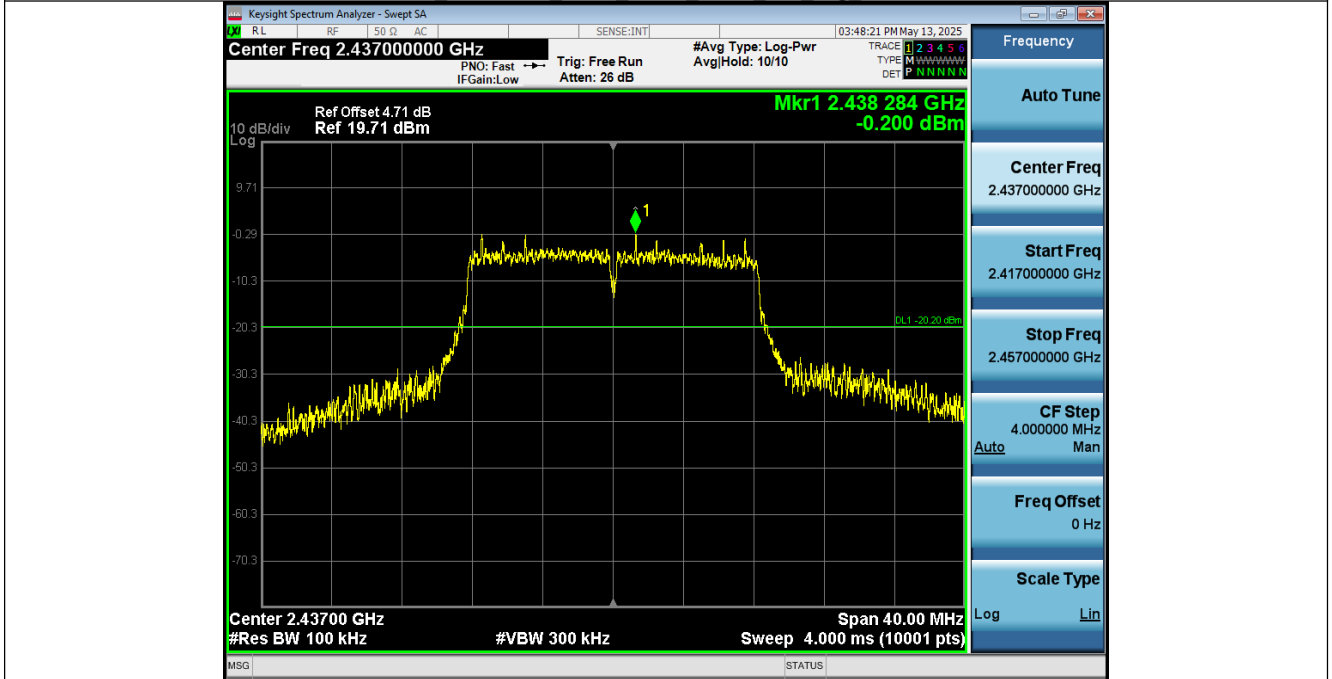
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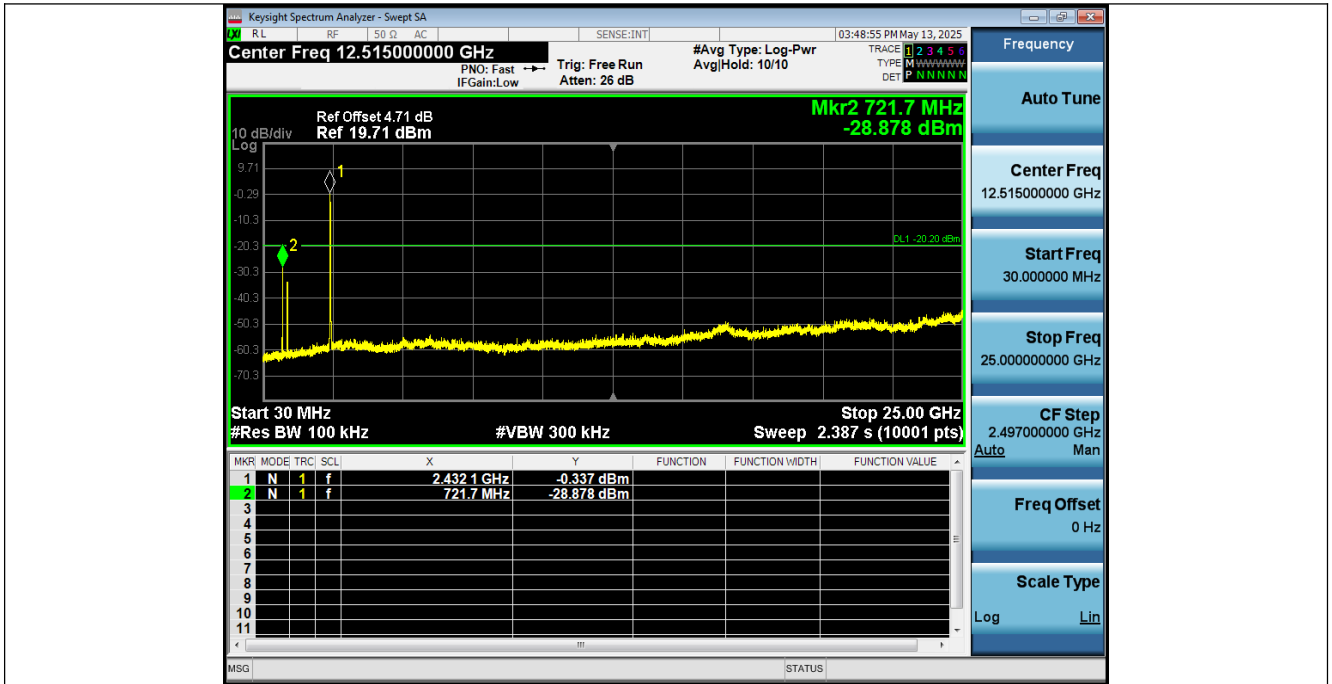
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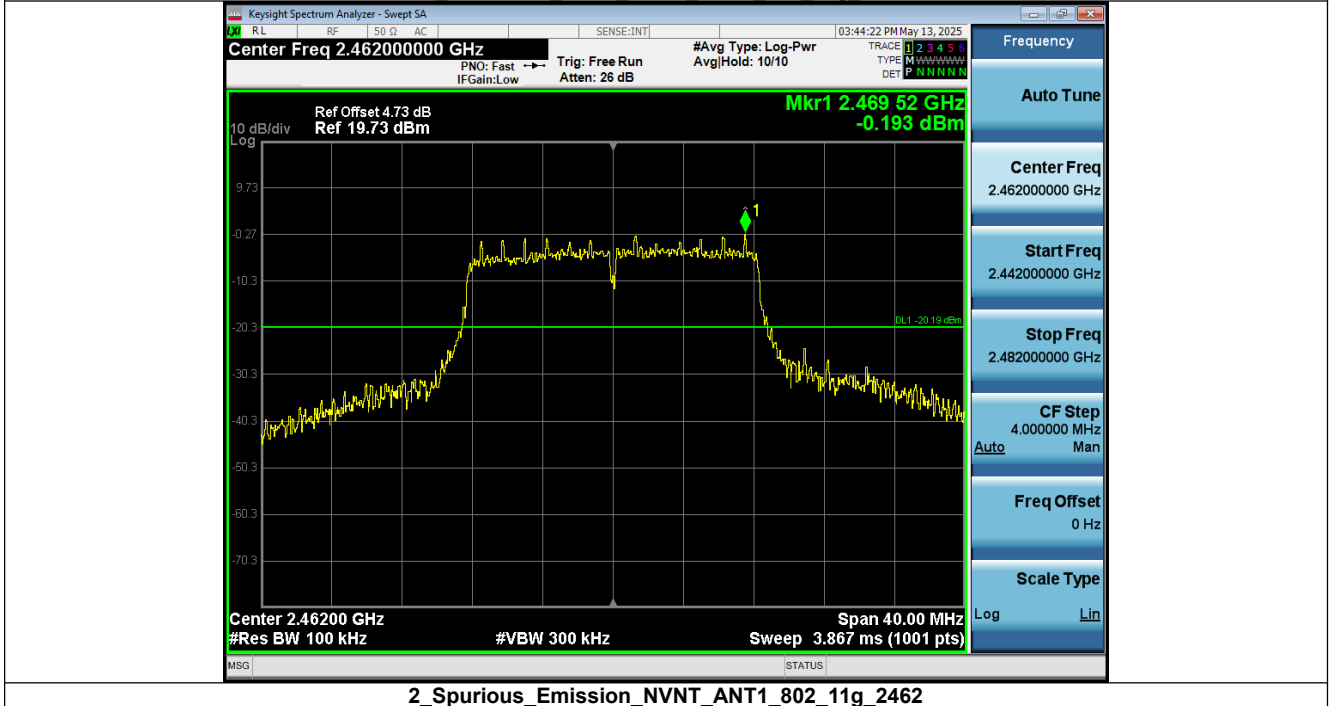
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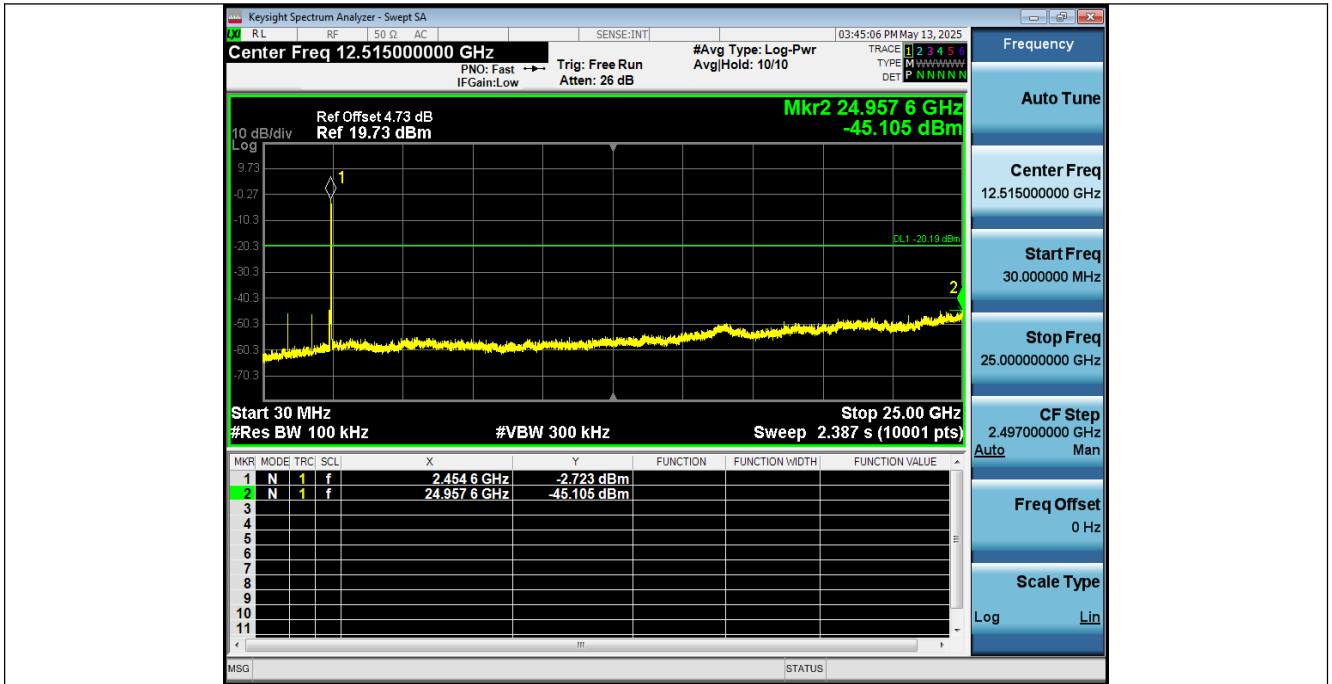
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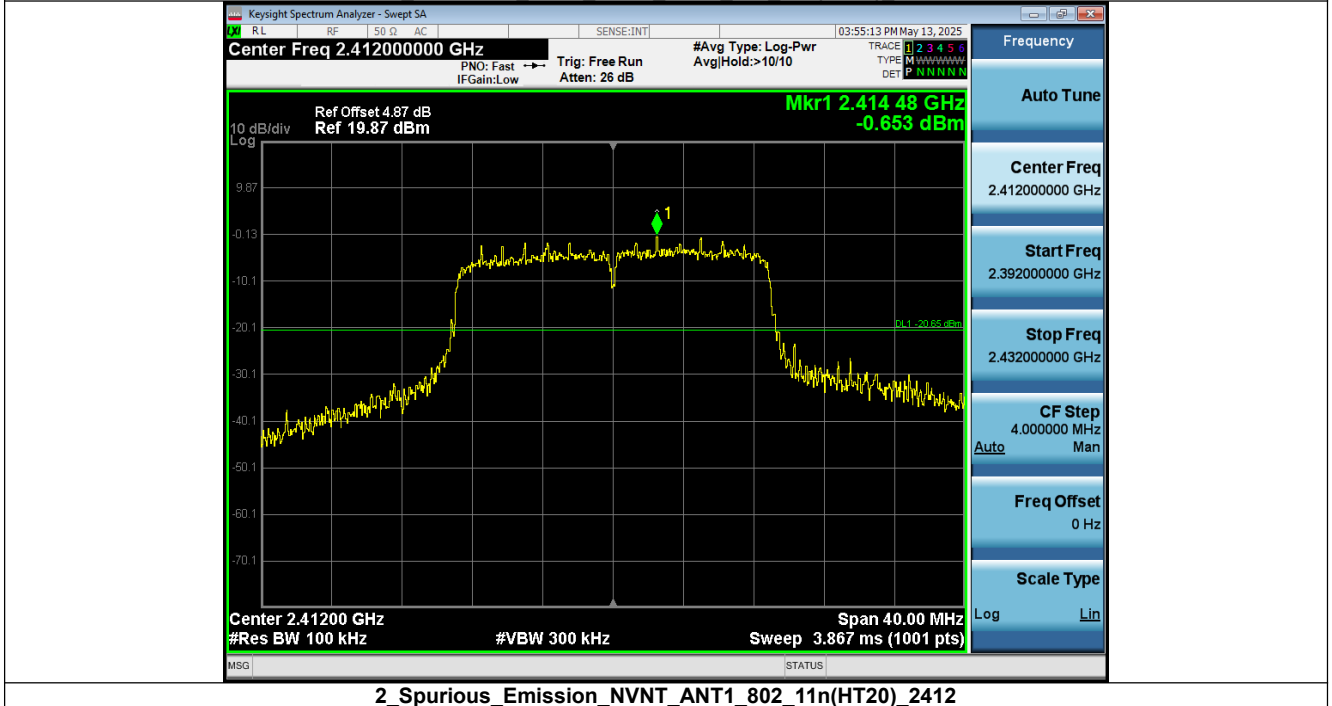
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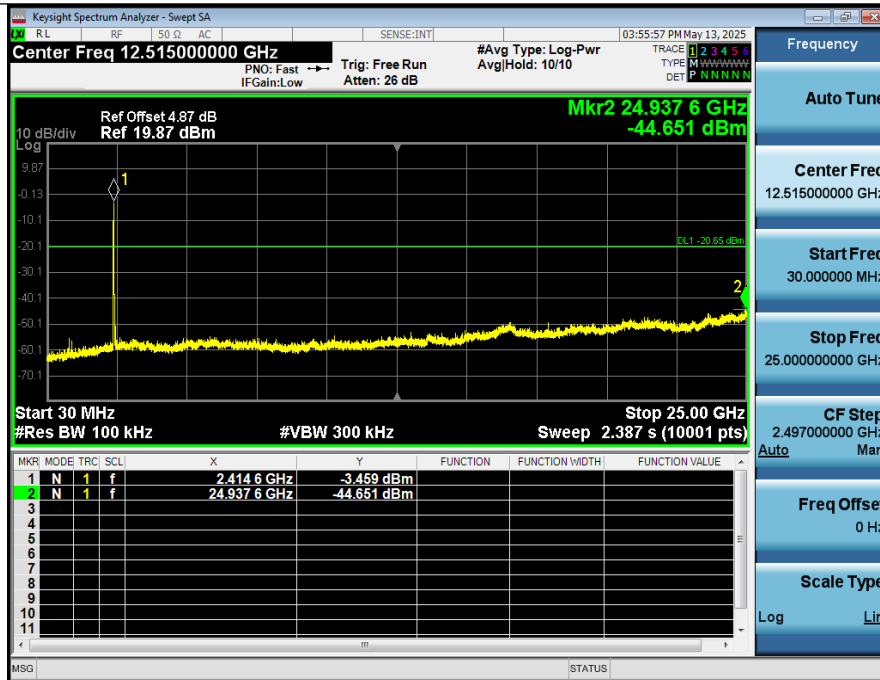
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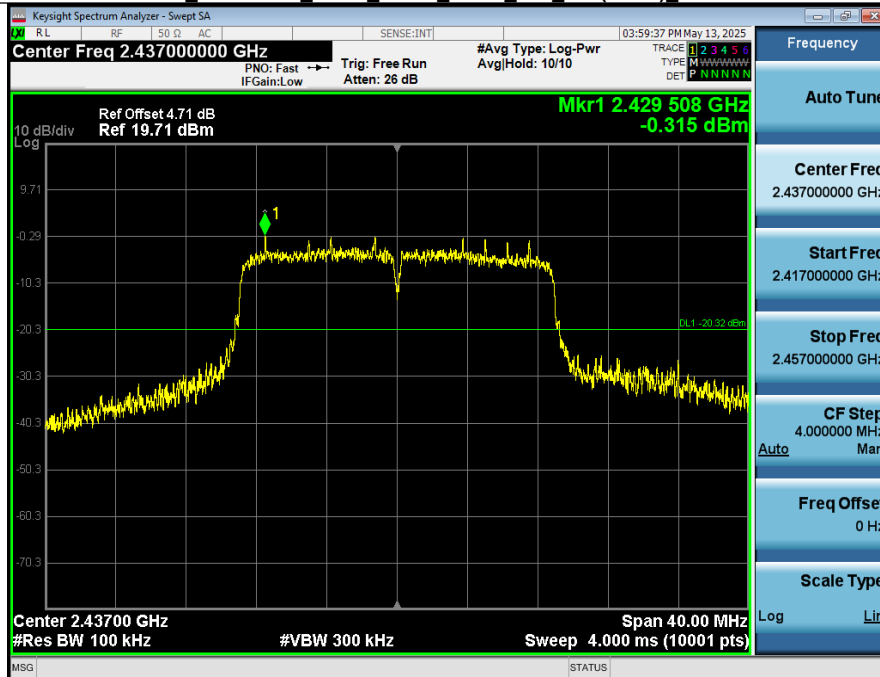
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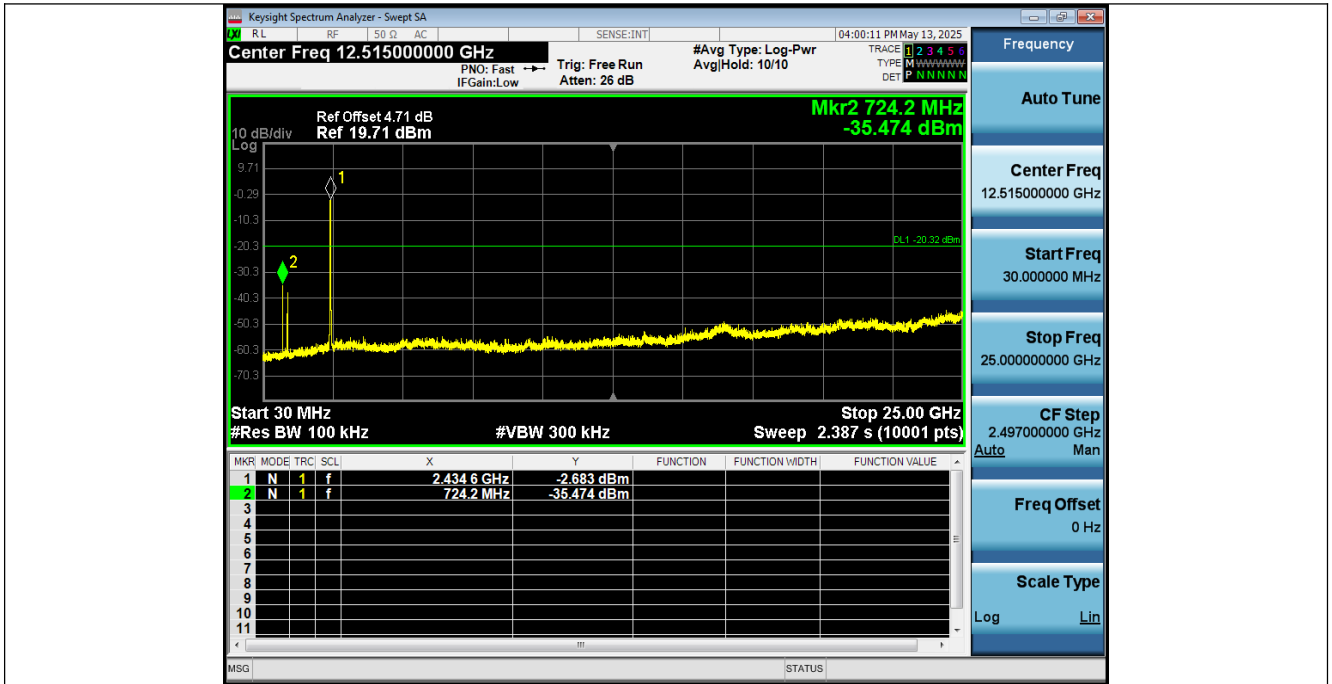
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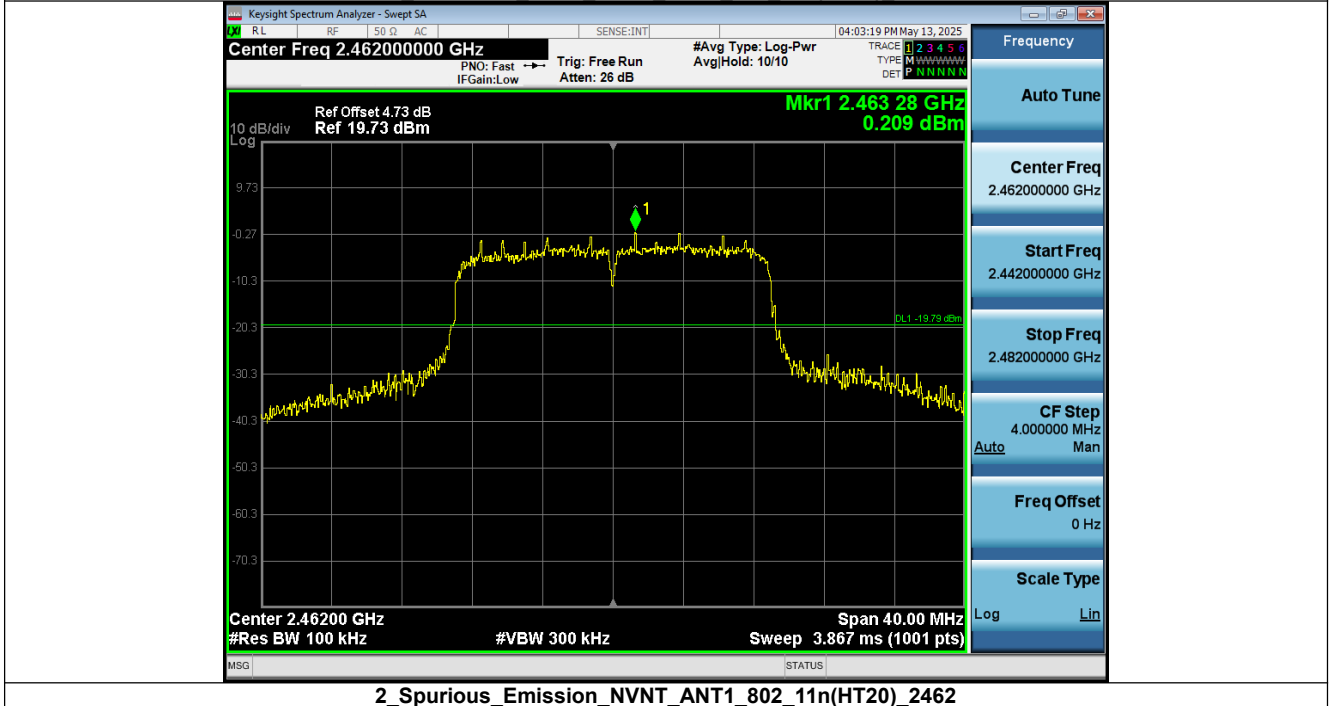
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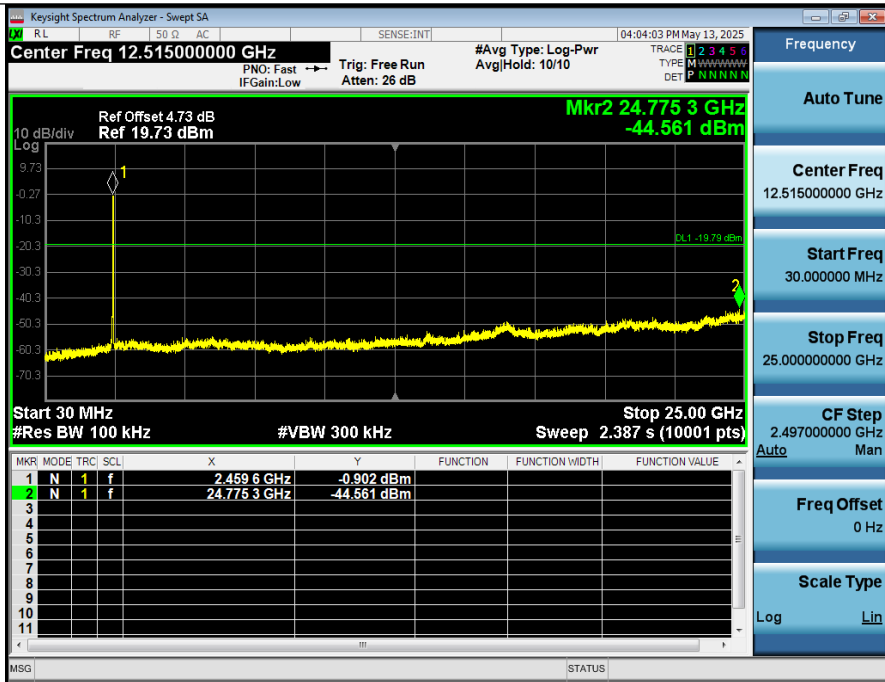


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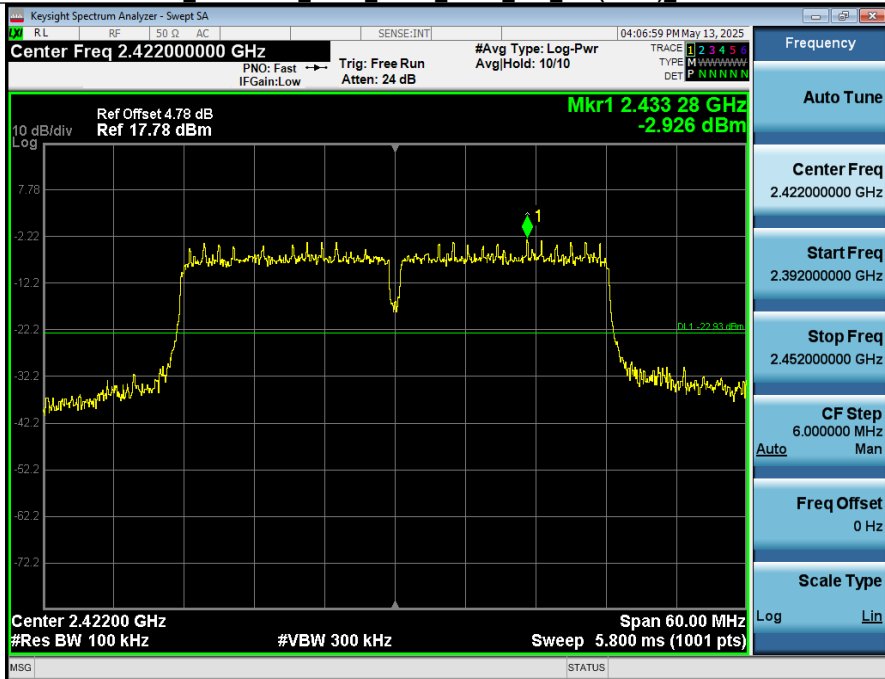


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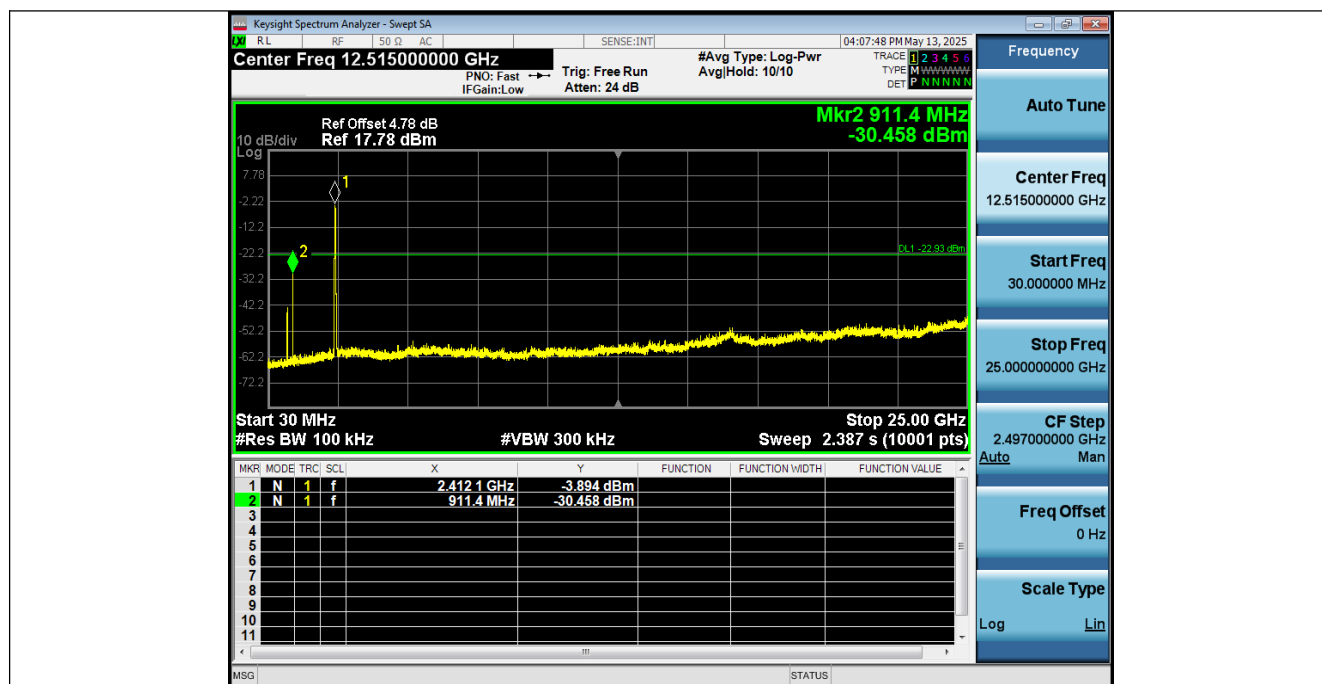




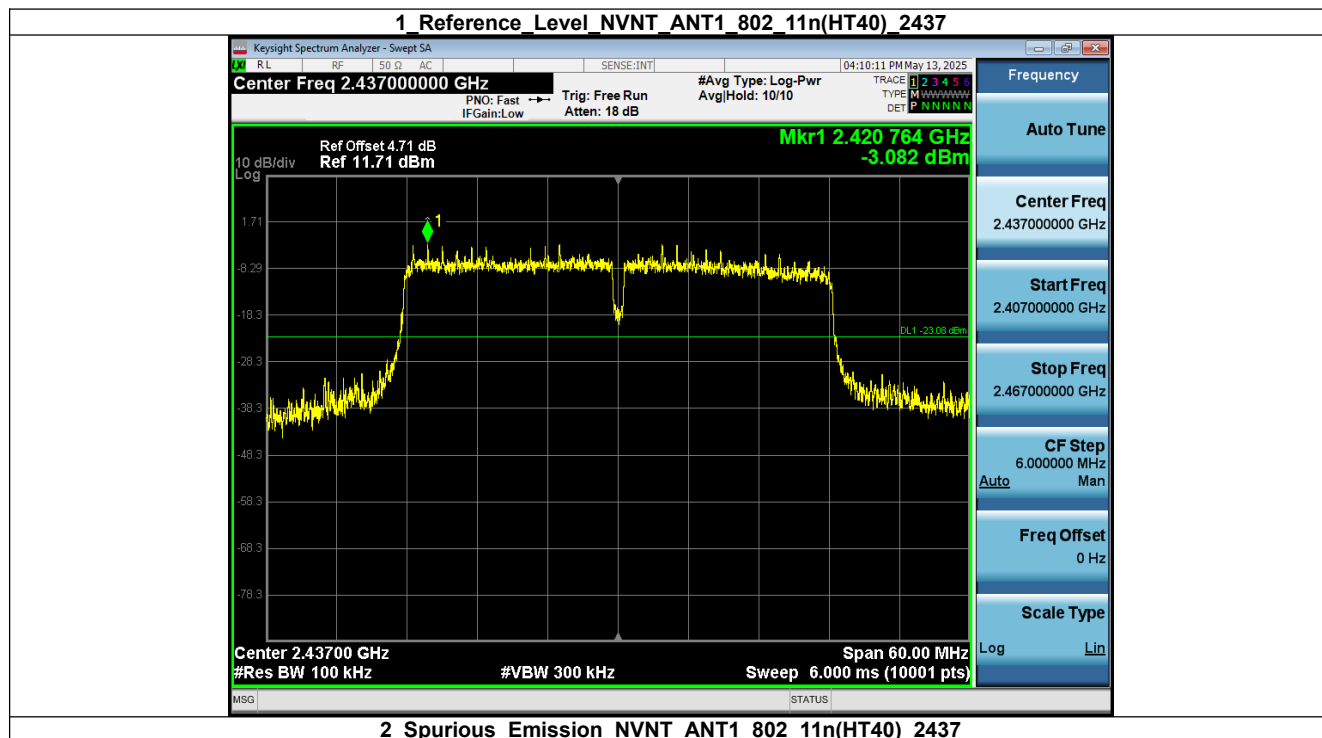
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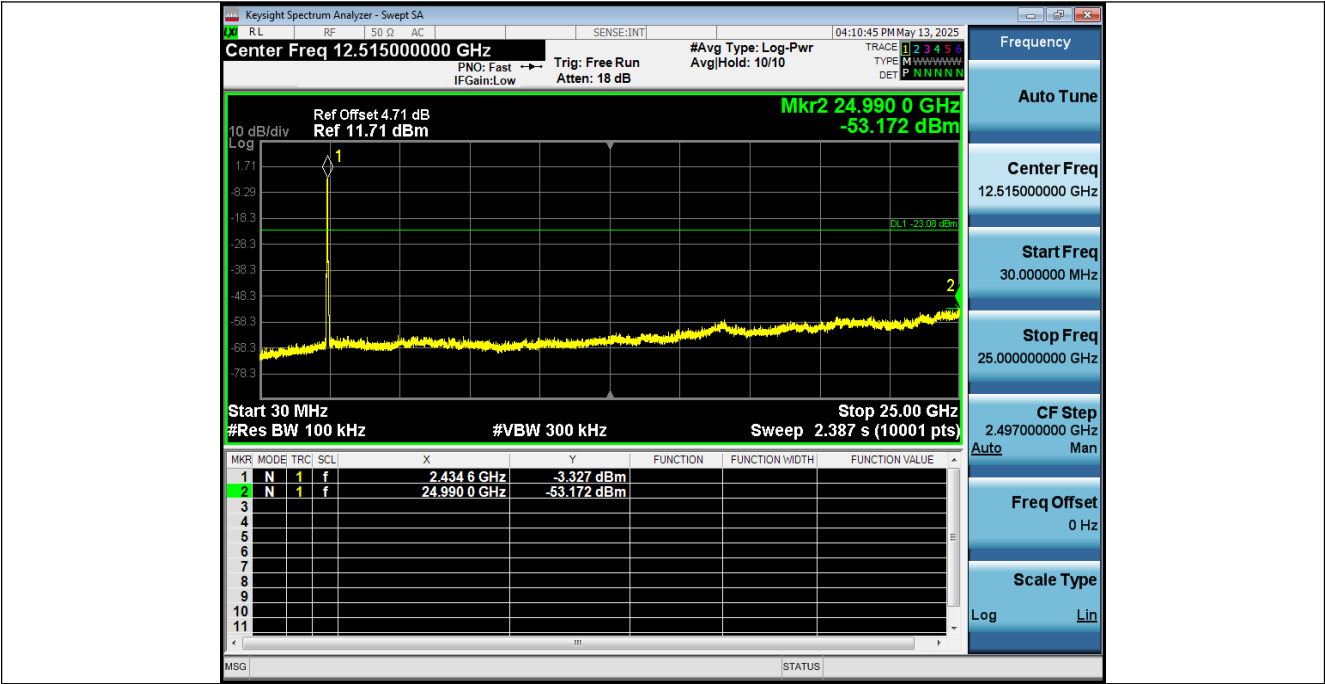
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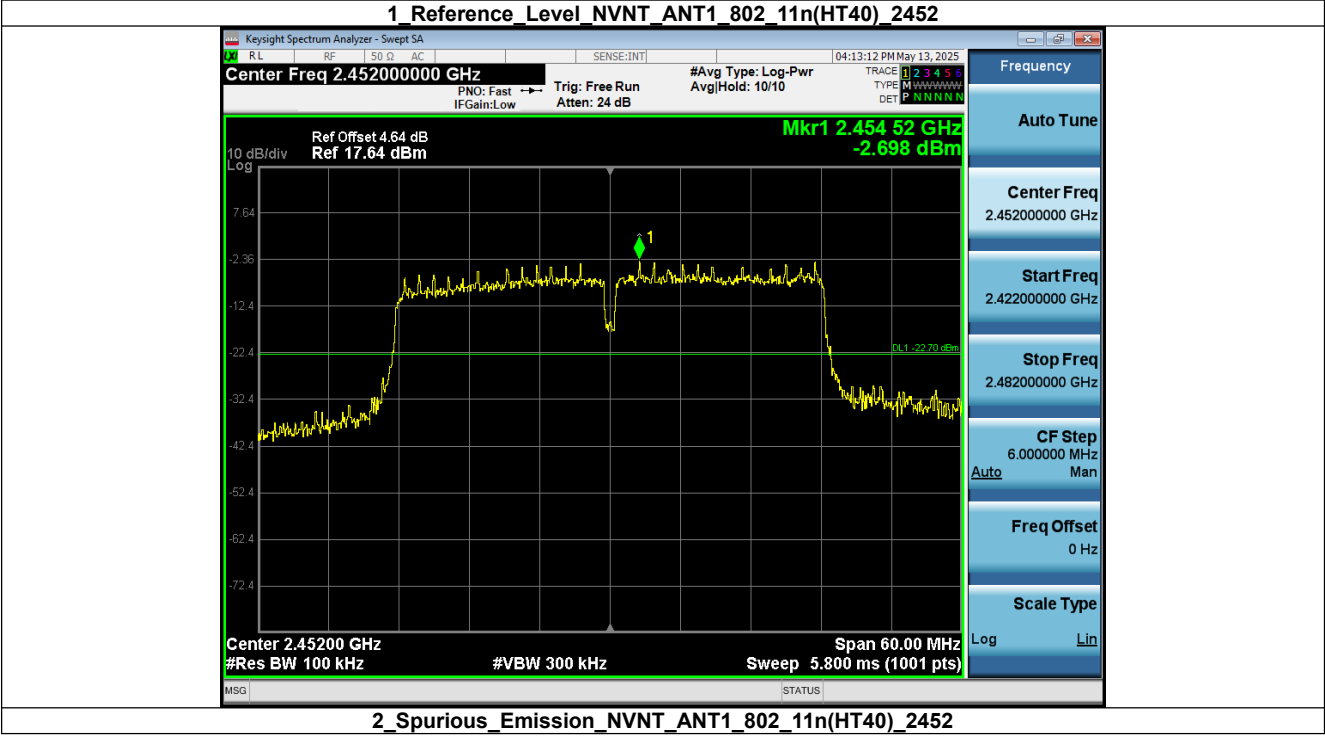
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2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



2 Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452

